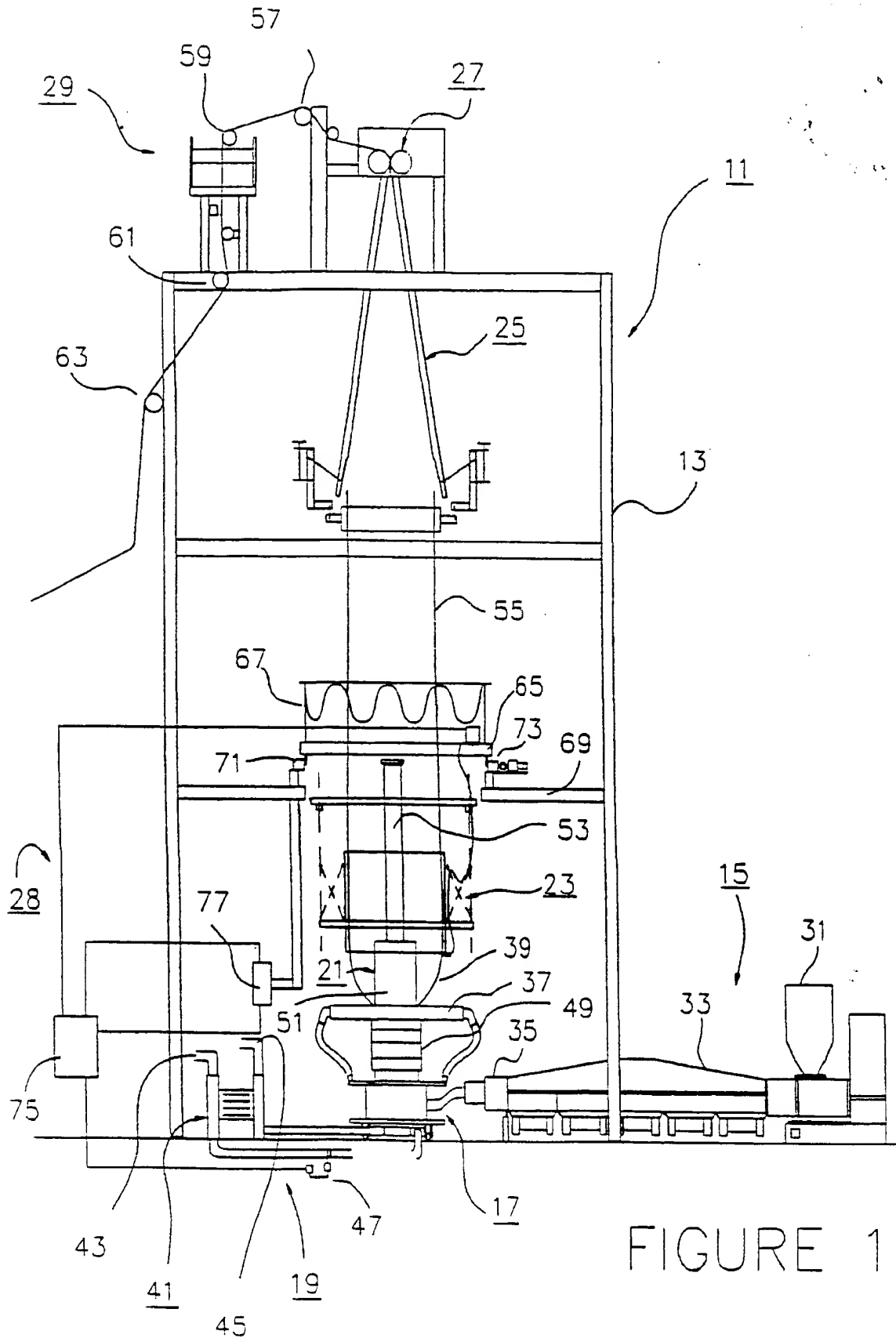


#3



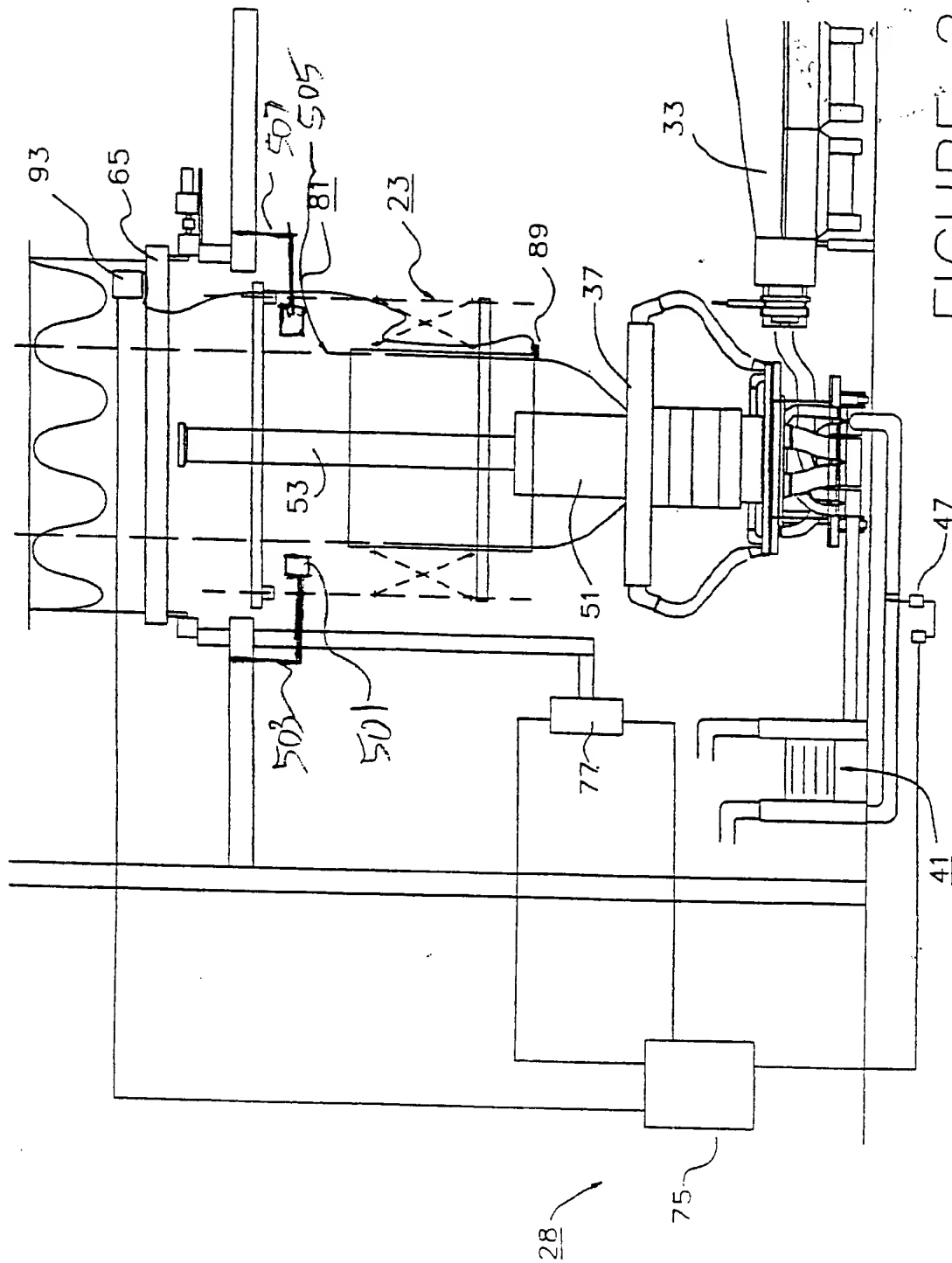


FIGURE 2

FIG. 3

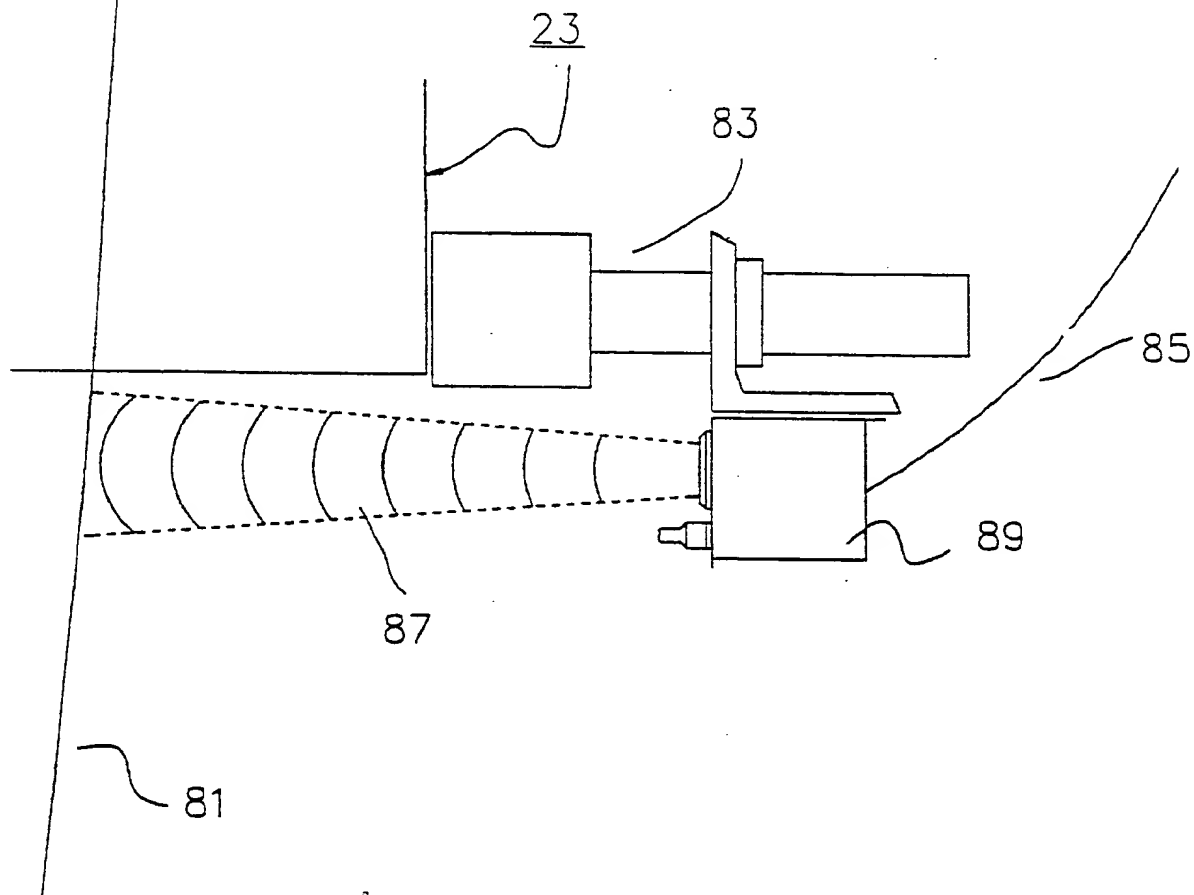


FIGURE 3

09829034-031601

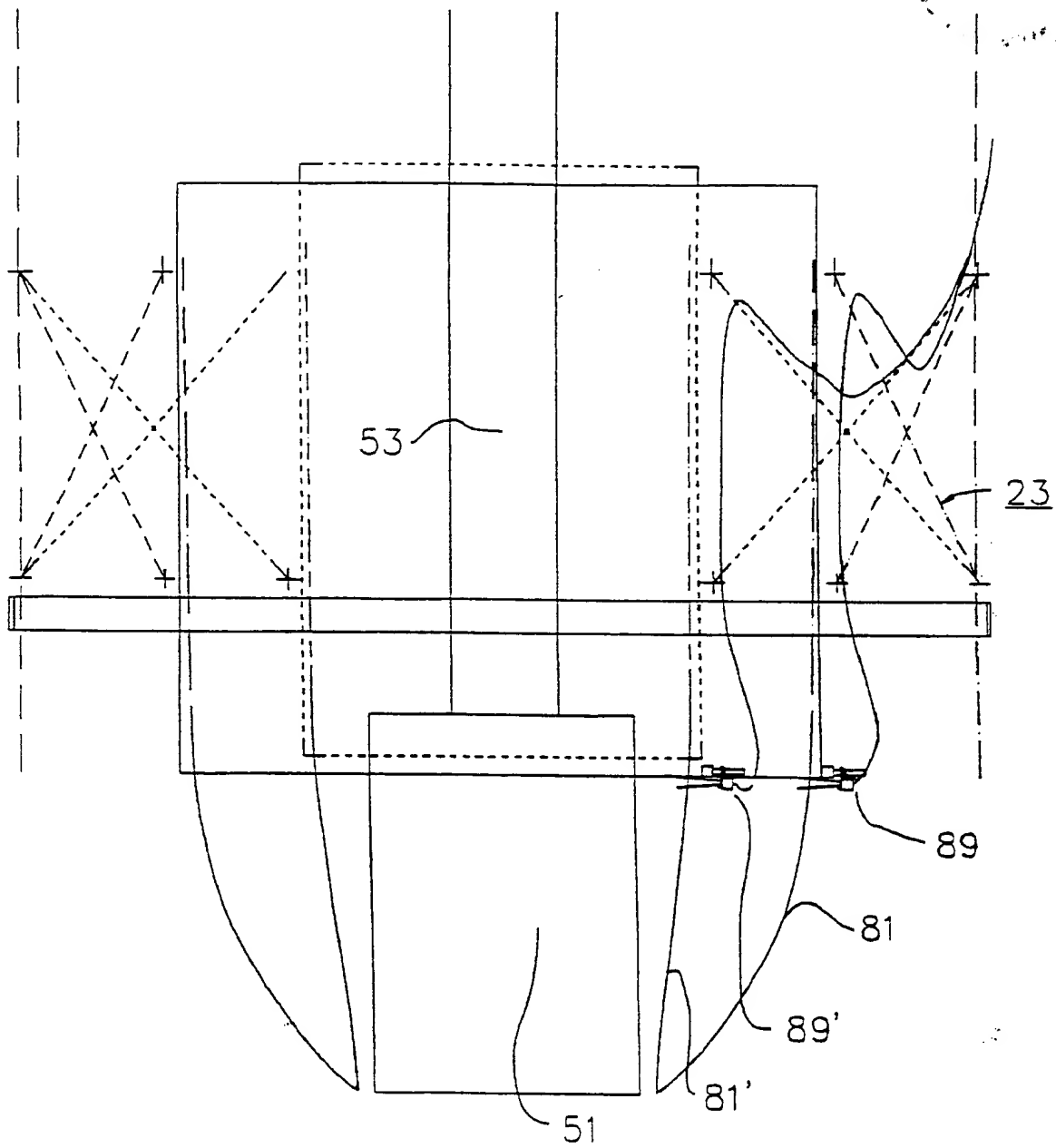


FIGURE 4

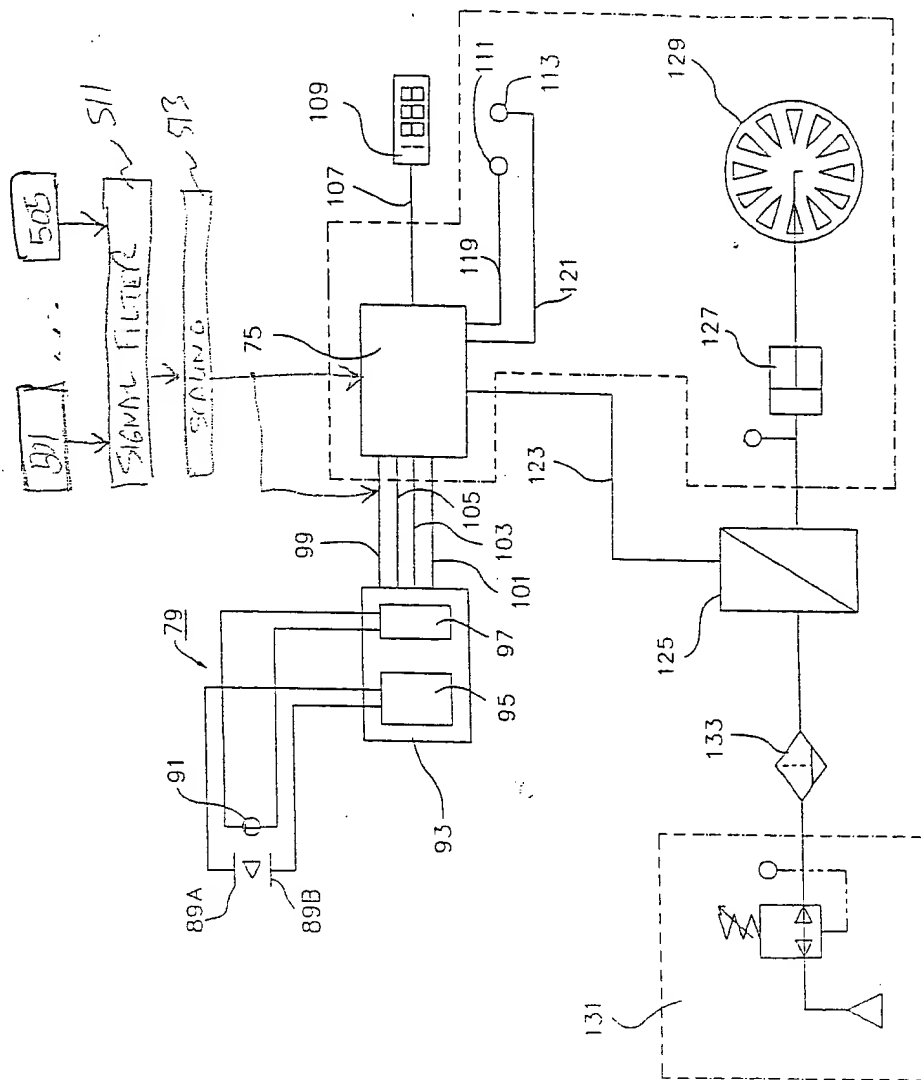


FIGURE 5

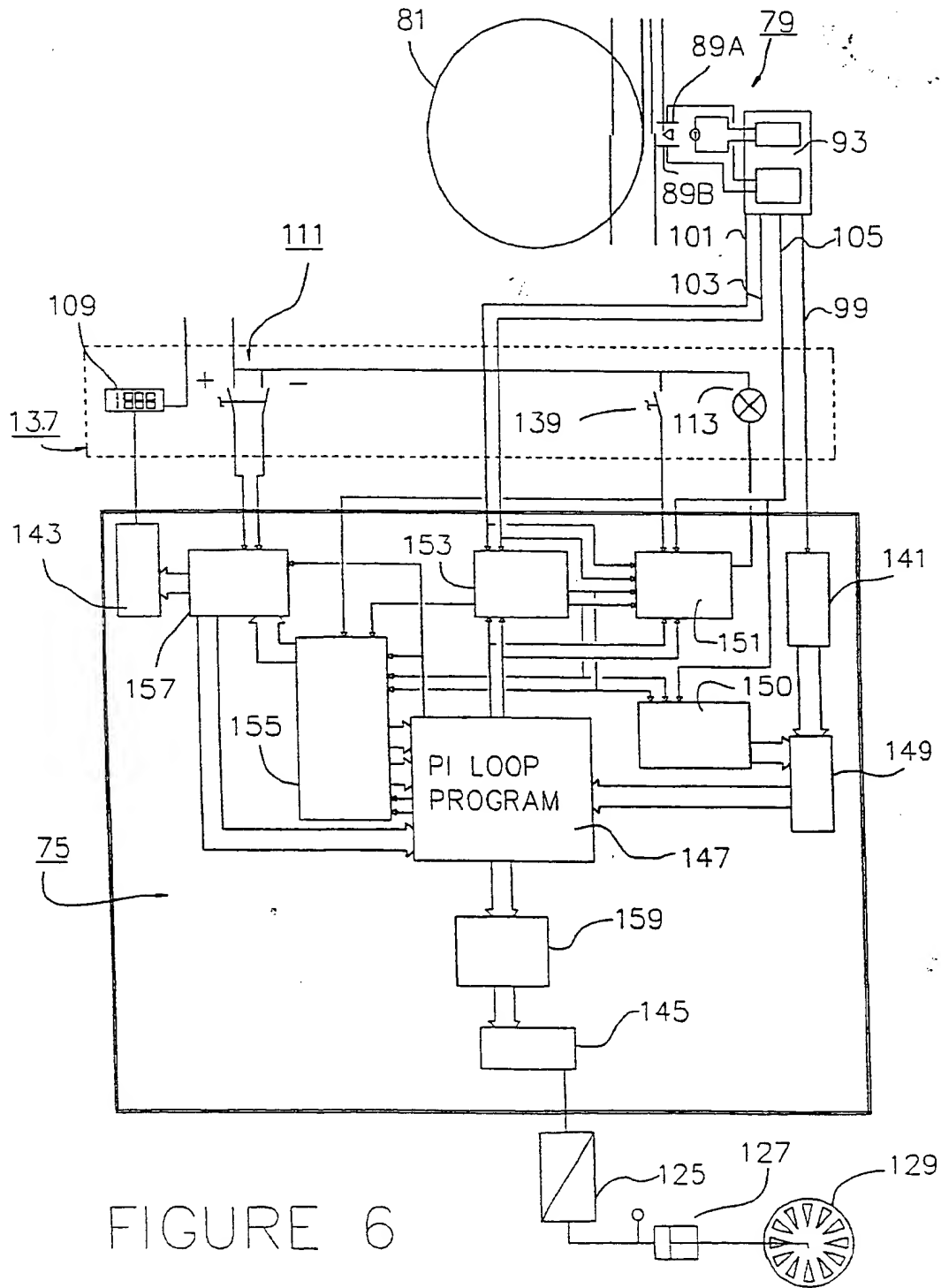


FIGURE 6

[illegible]

FIGURE 7A

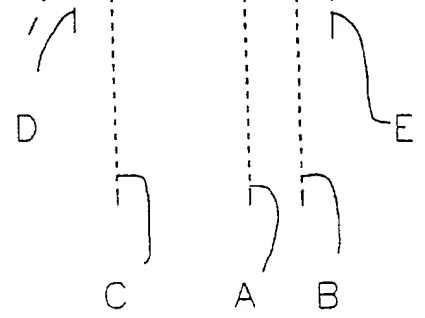


FIGURE 7B

090304-031001

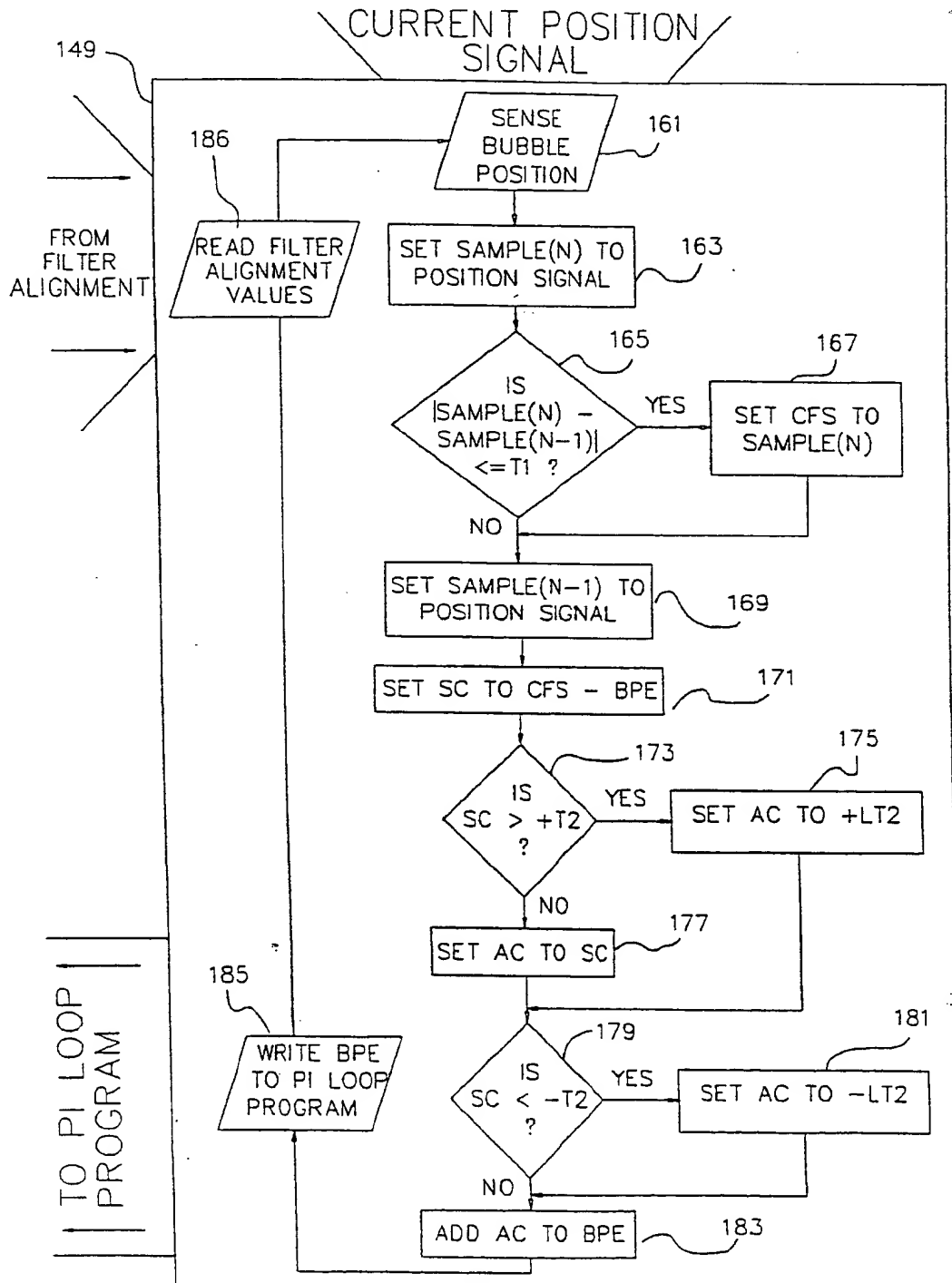


FIGURE 8A

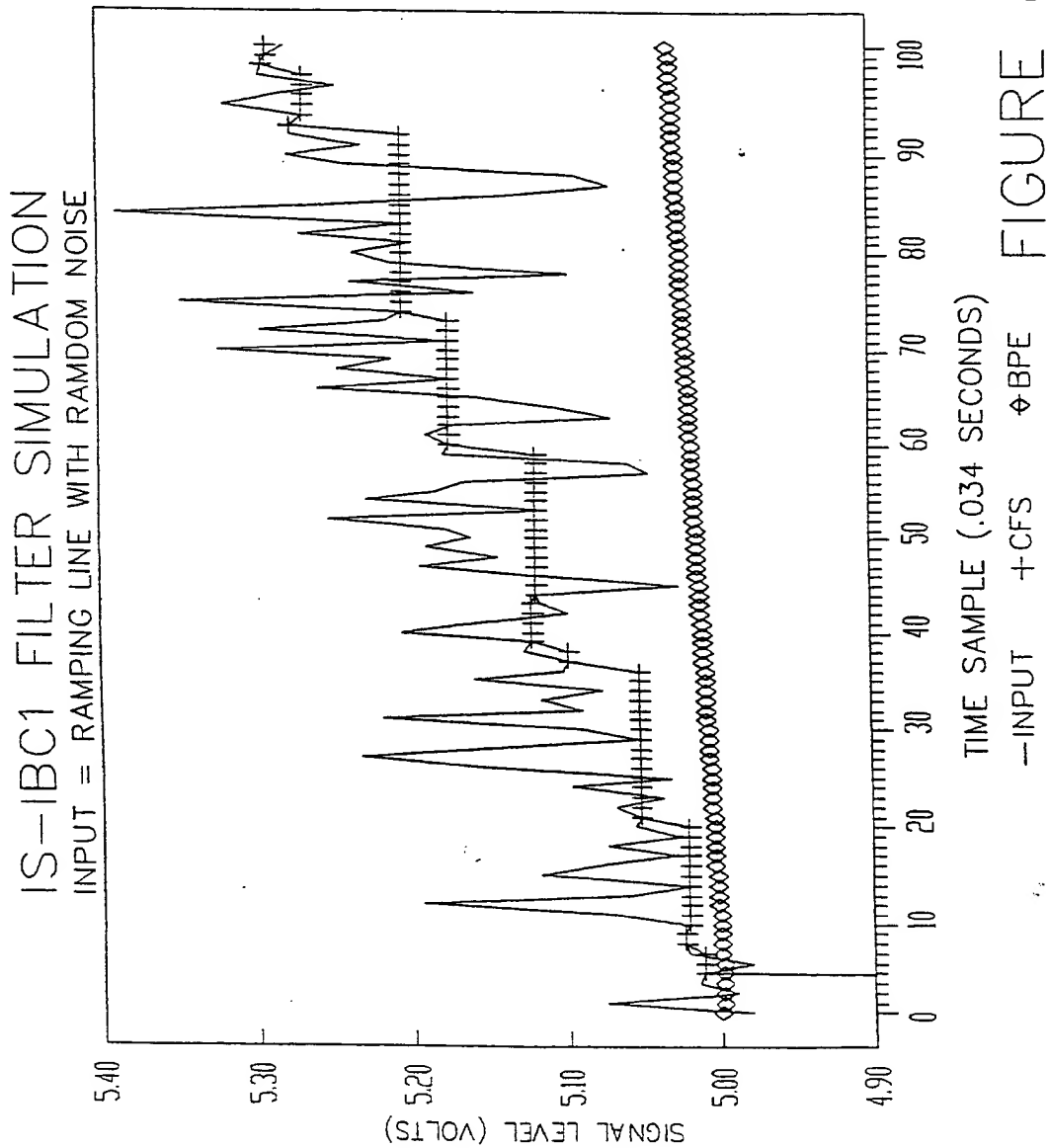


FIGURE 8B

109130-18062860

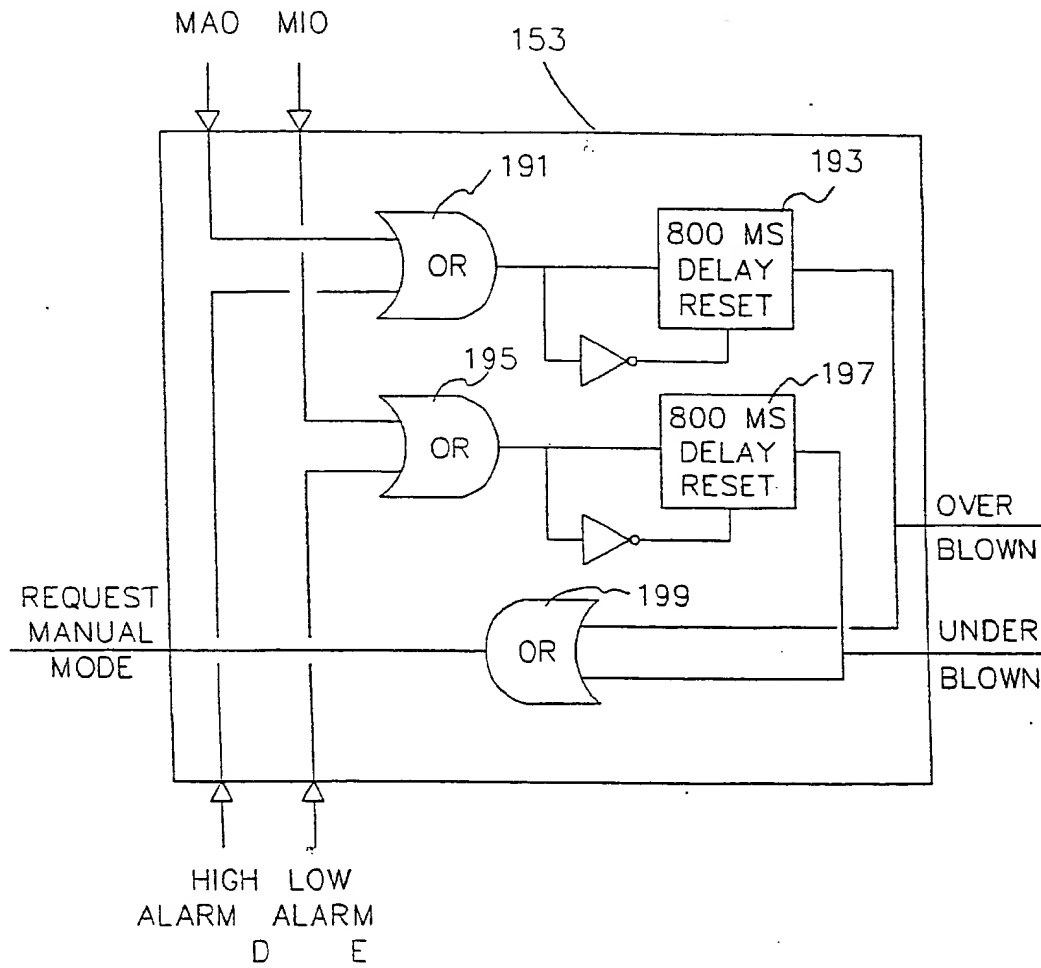


FIGURE 9

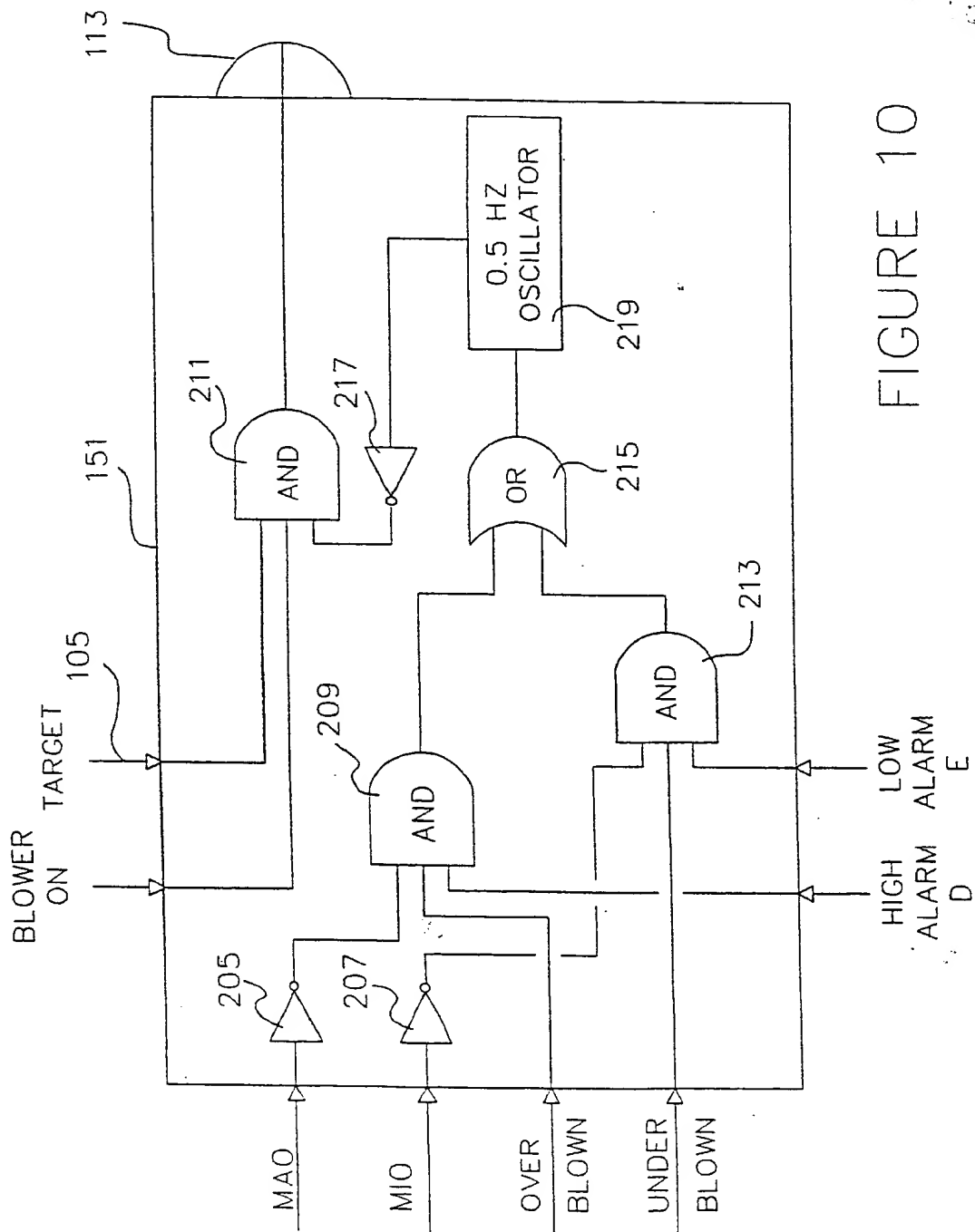


FIGURE 10

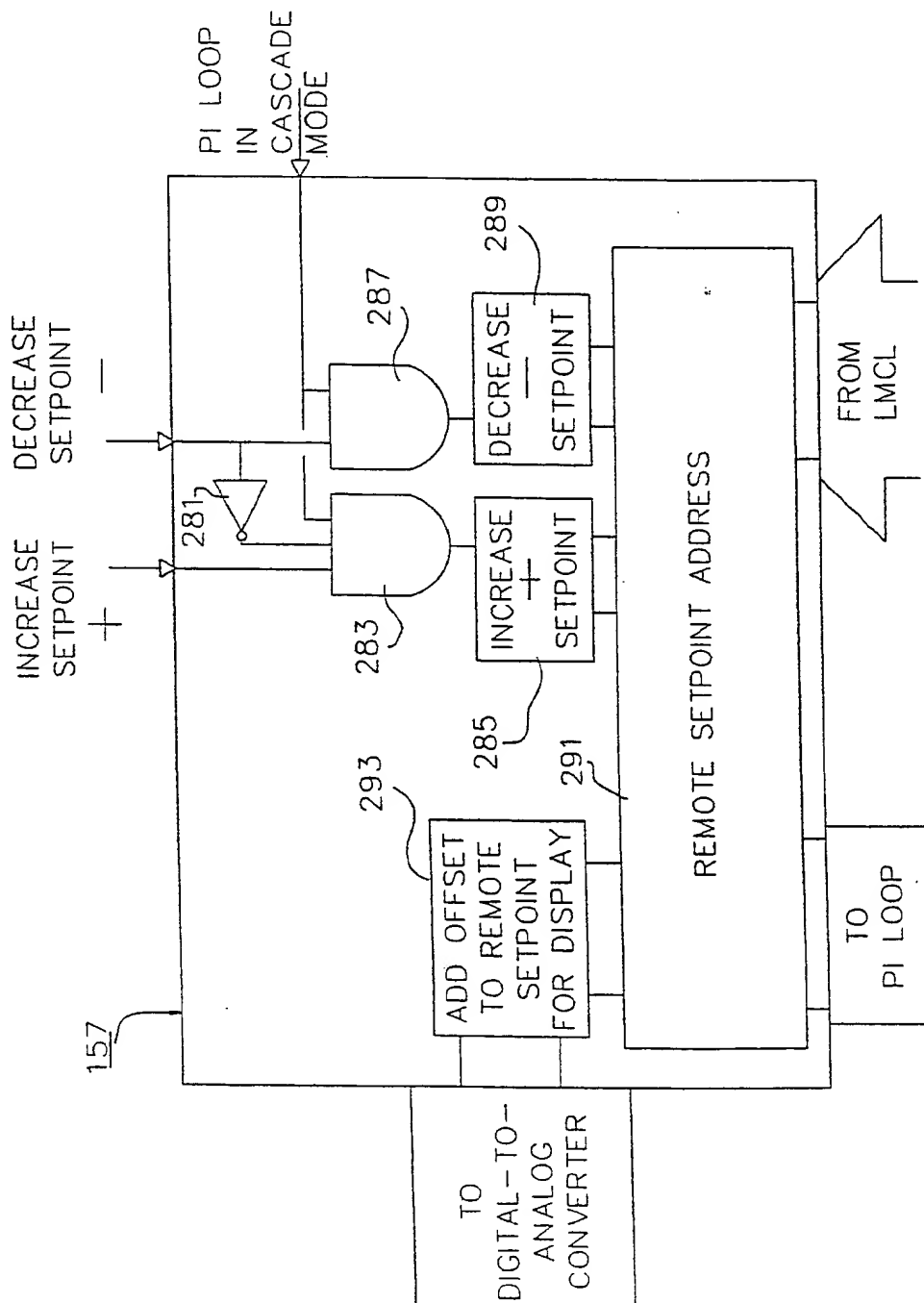


FIGURE 12

FIGURE 13

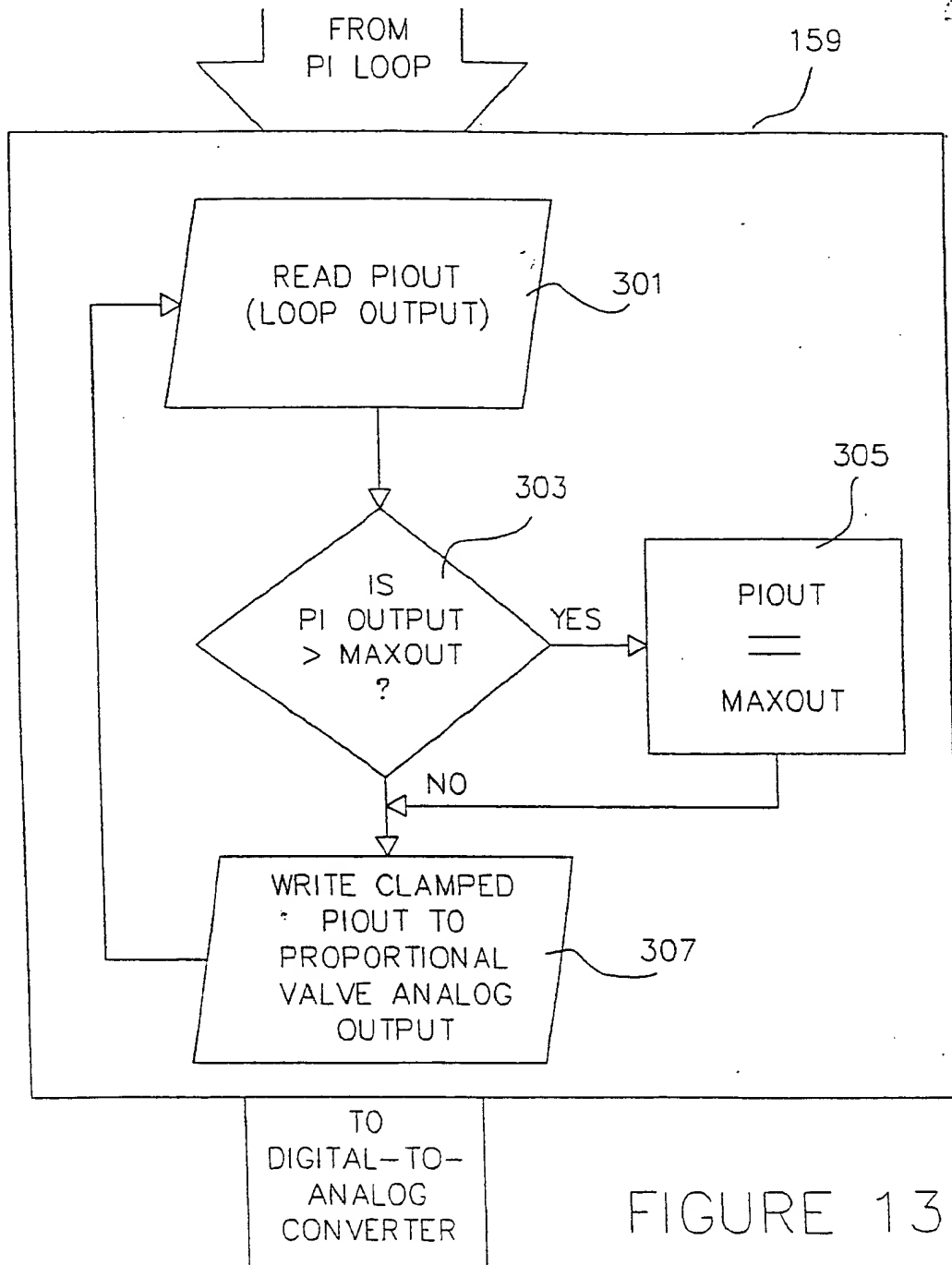


FIGURE 13

0987064 - 061501

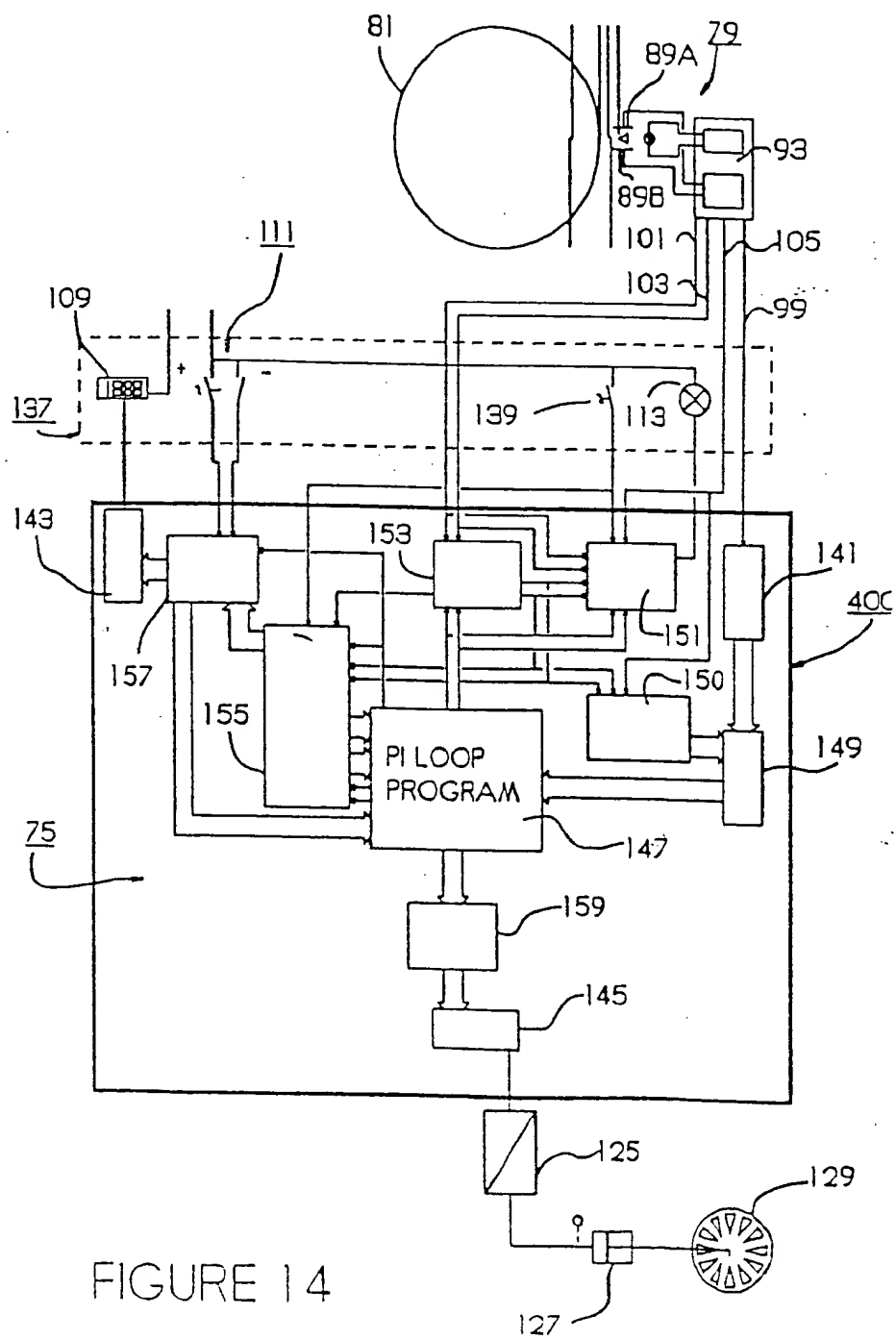


FIGURE 15

09829084-081601

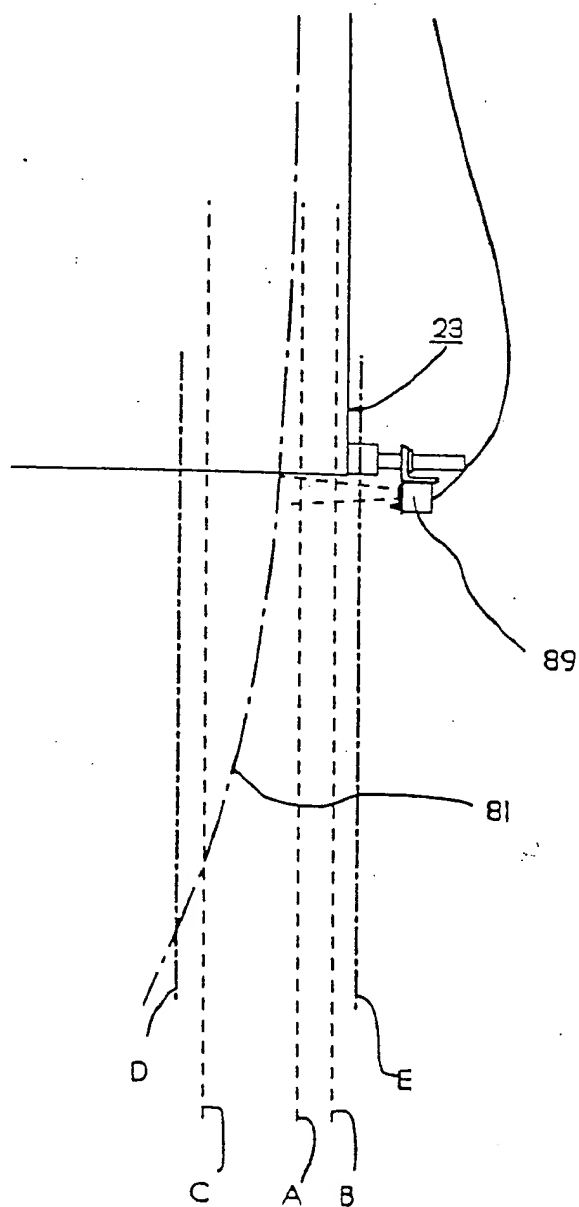


FIGURE 16

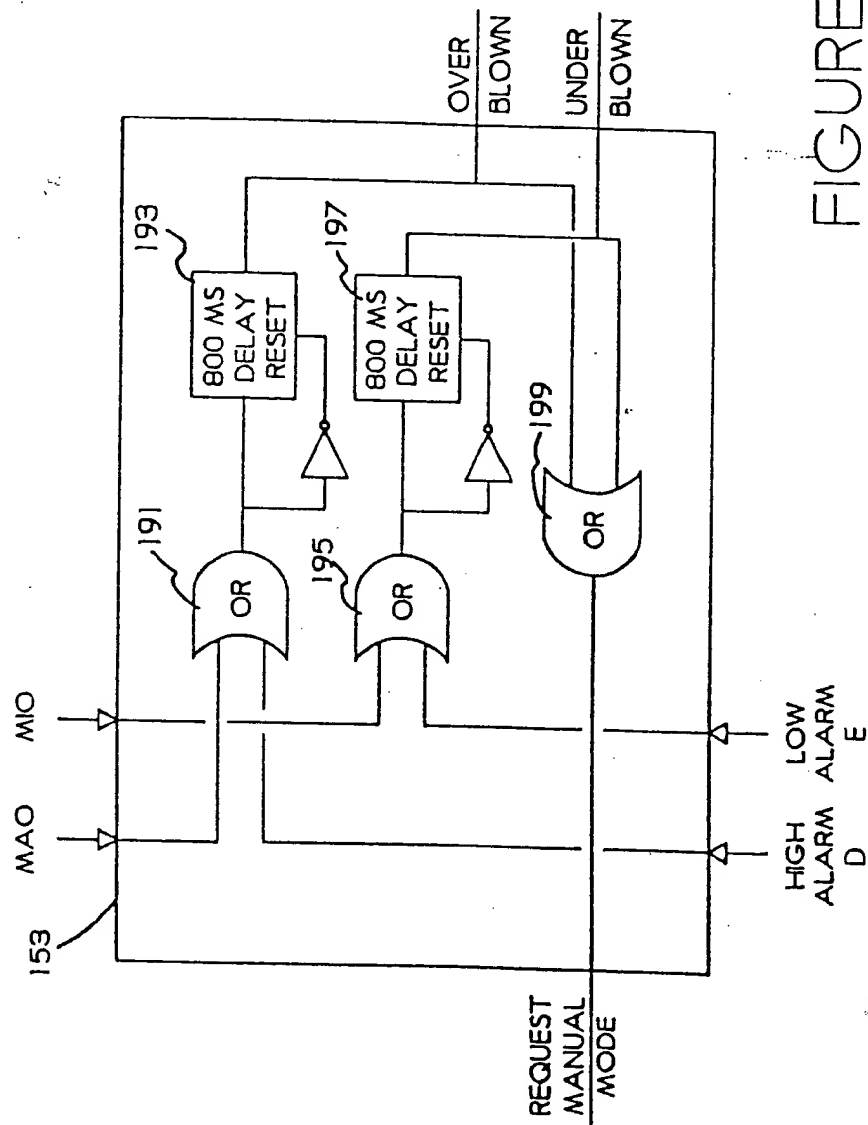


FIGURE 17

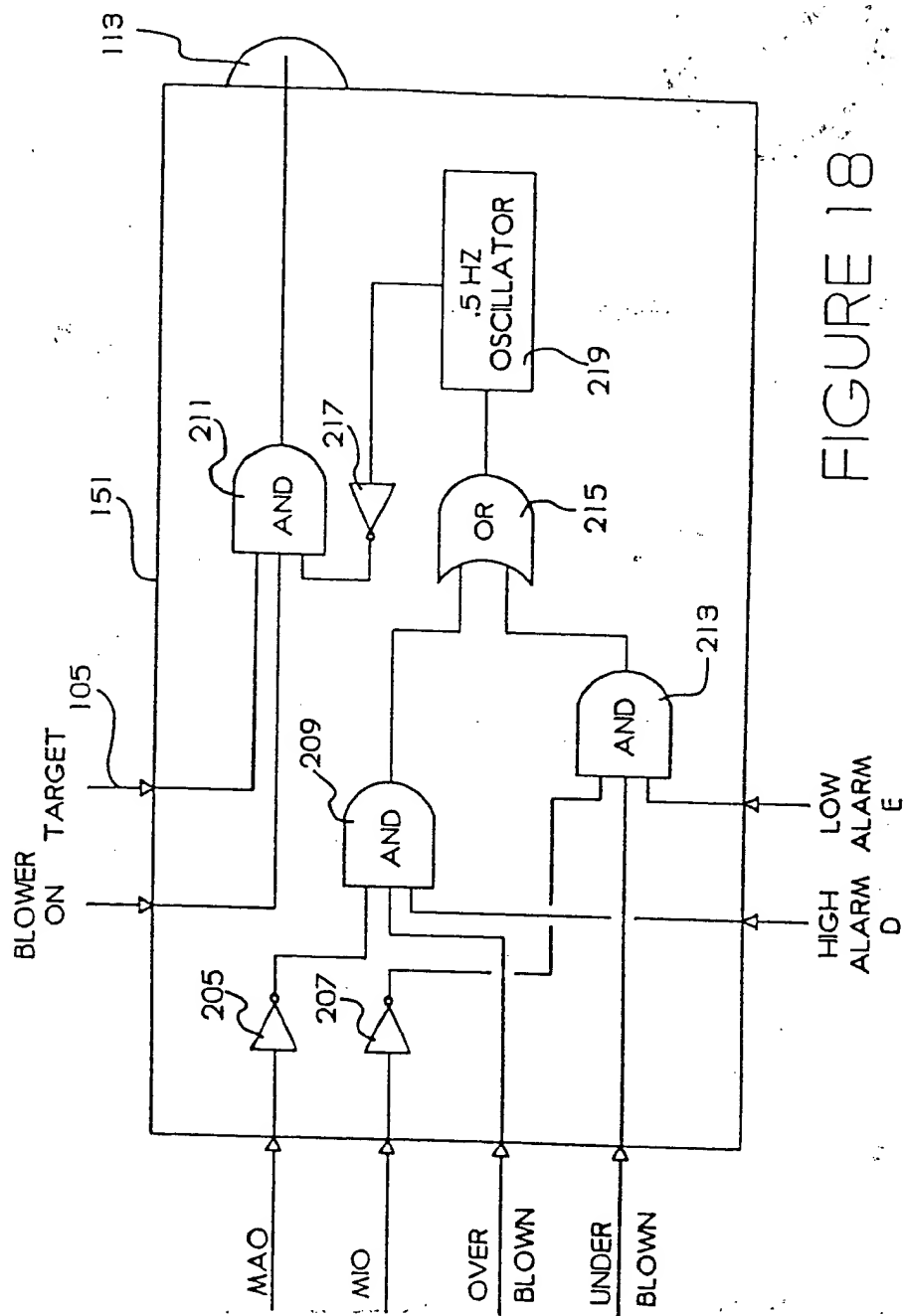
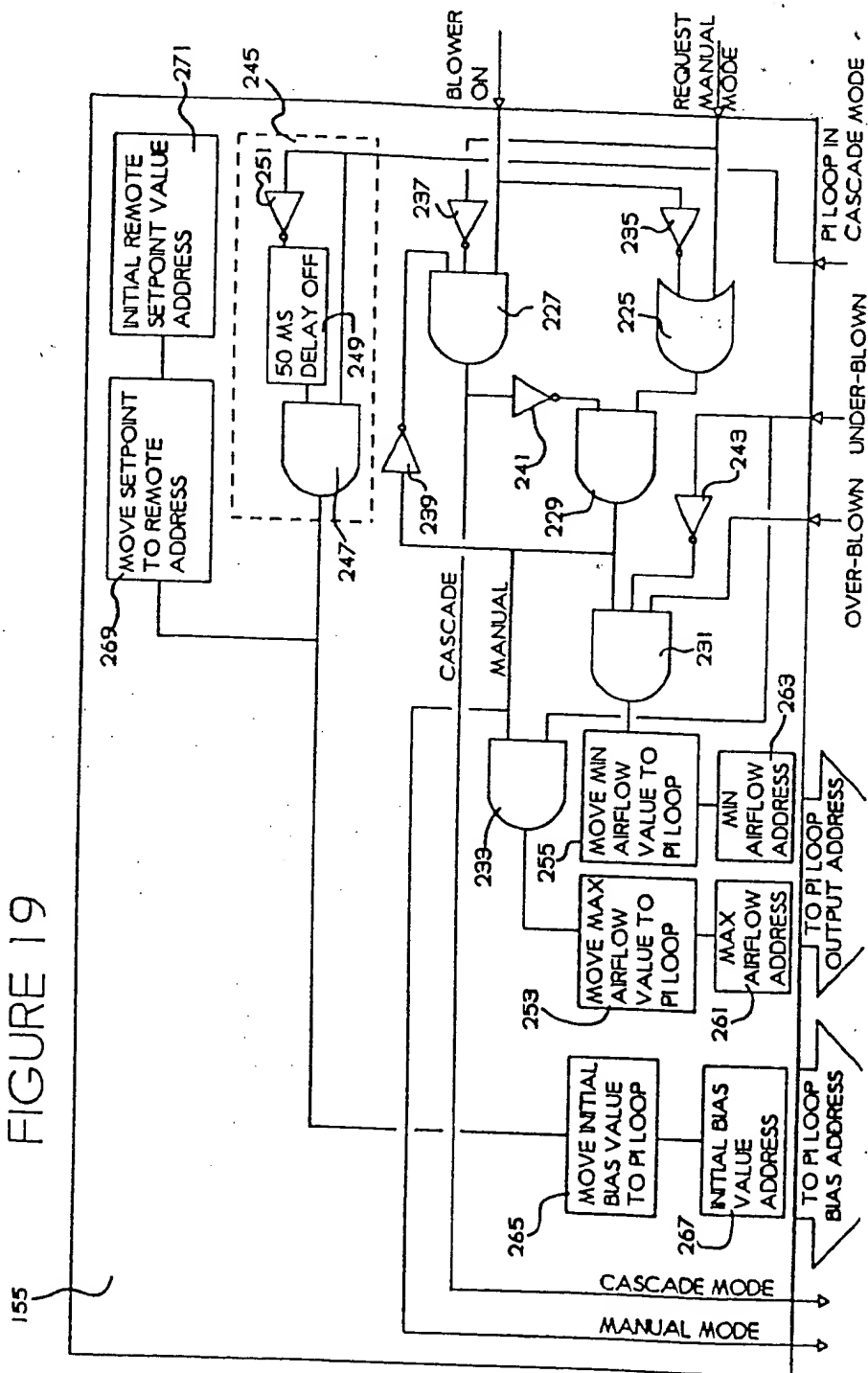


FIGURE 18

FIGURE 19



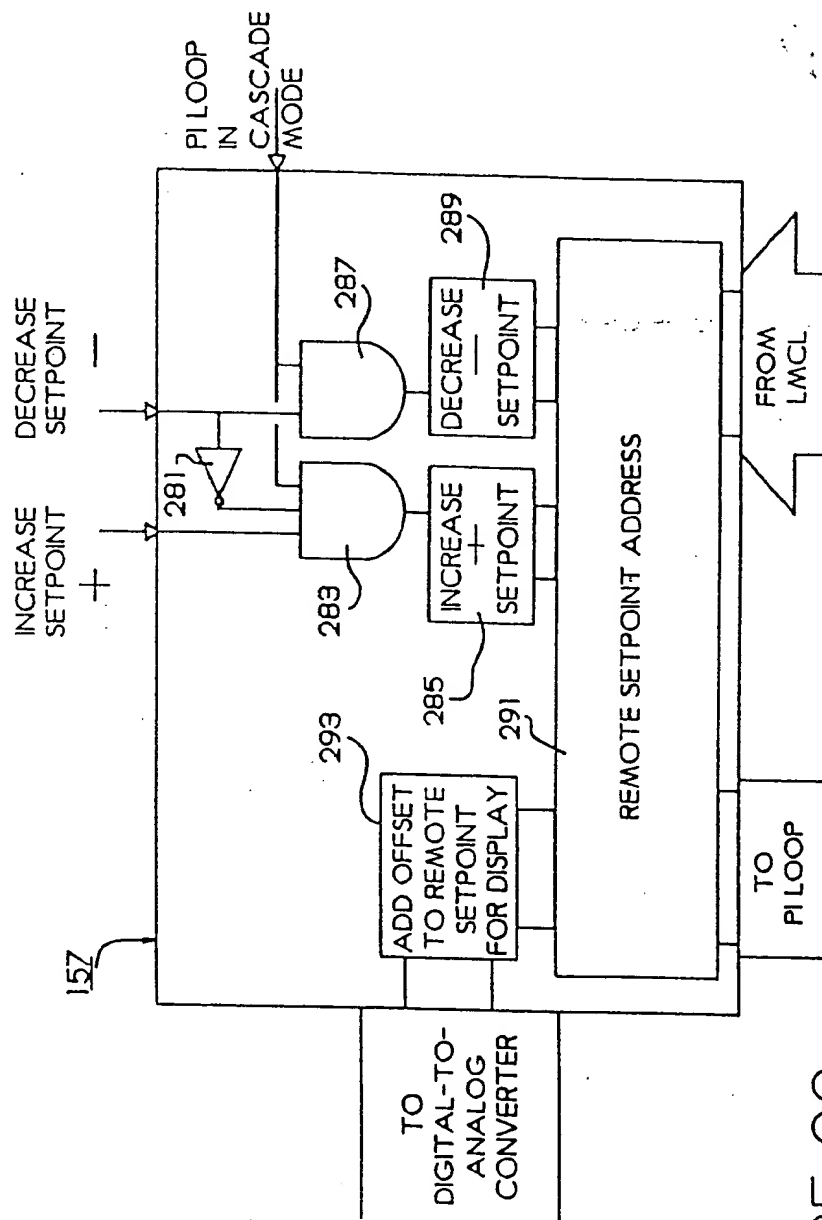


FIGURE 20

09829034-081601

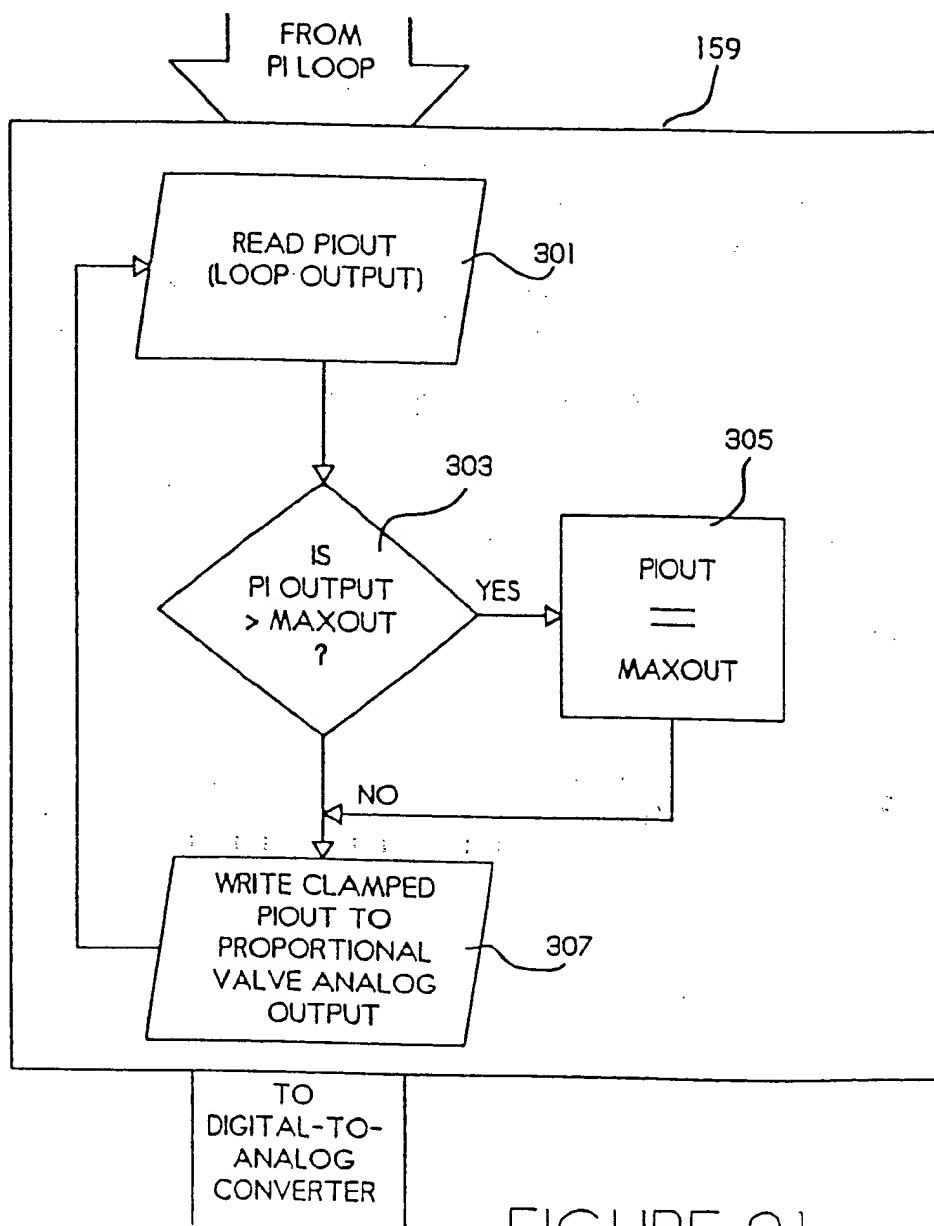
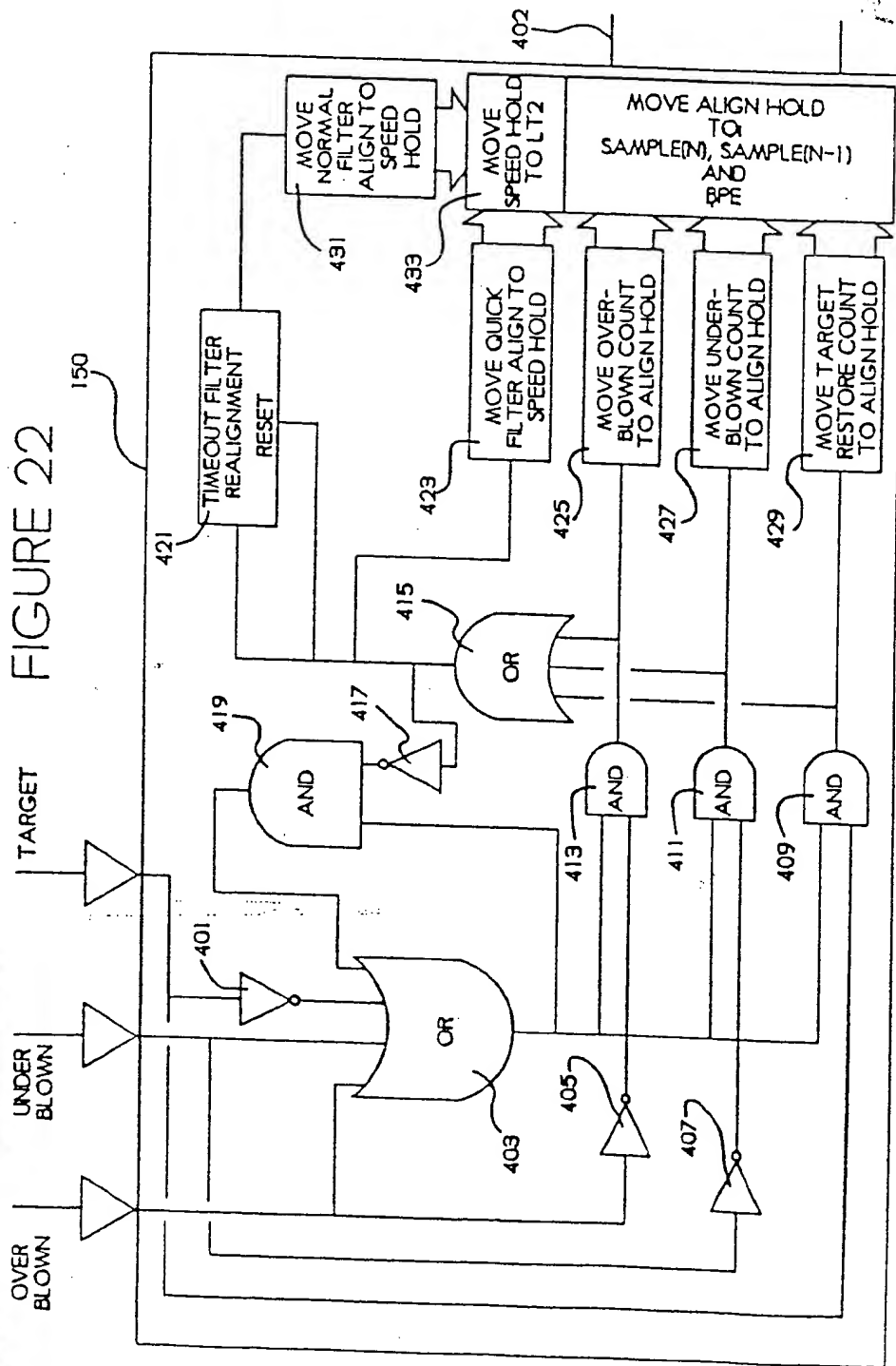


FIGURE 21

FIGURE 22



CURRENT POSITION
SIGNAL

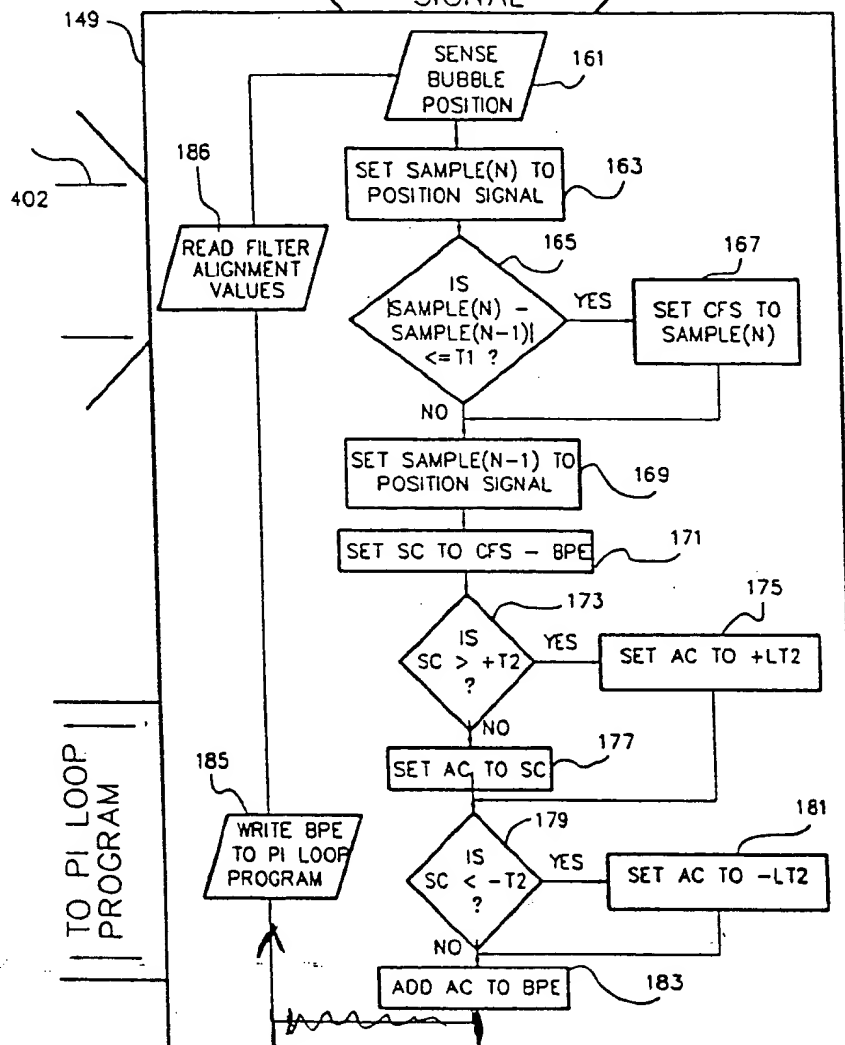


FIGURE 23A

FIGURE 23B

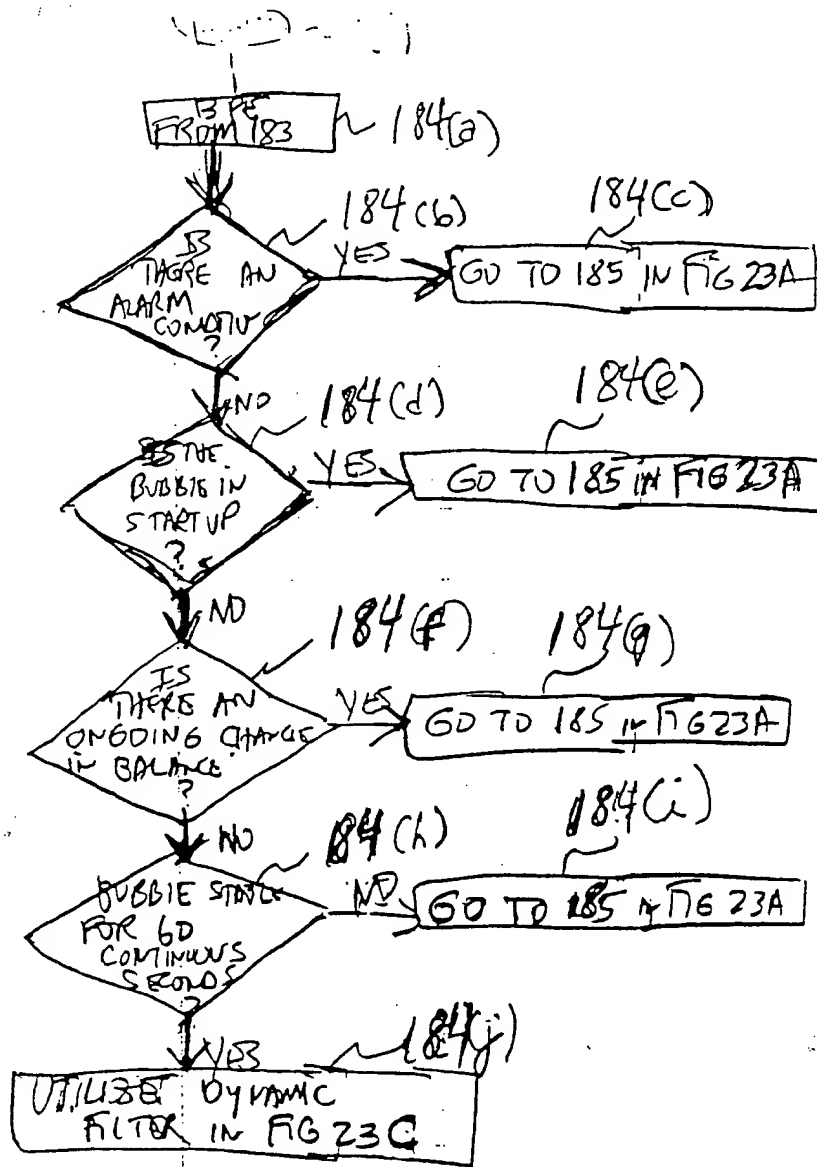


FIGURE 23B

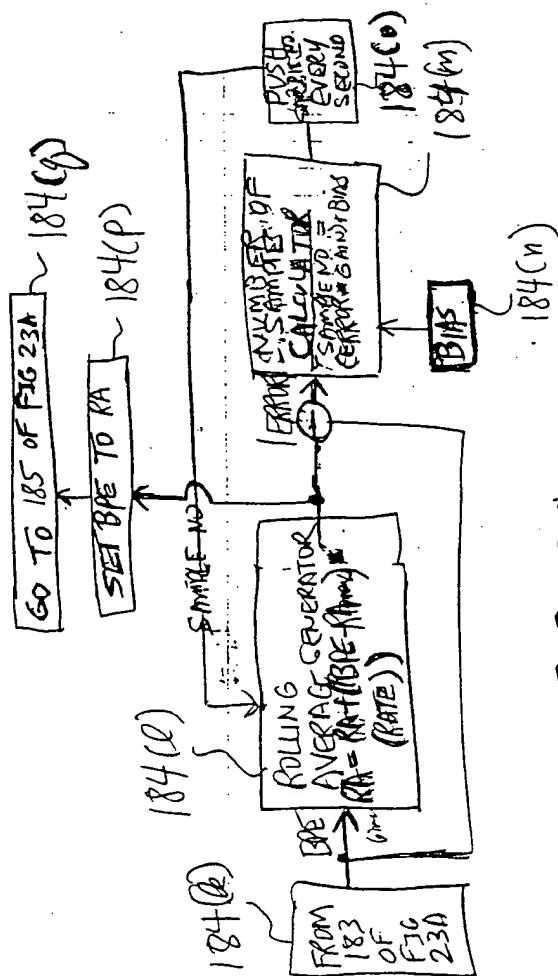


FIG 230

Various IBC Signals Without Dynamic Filter

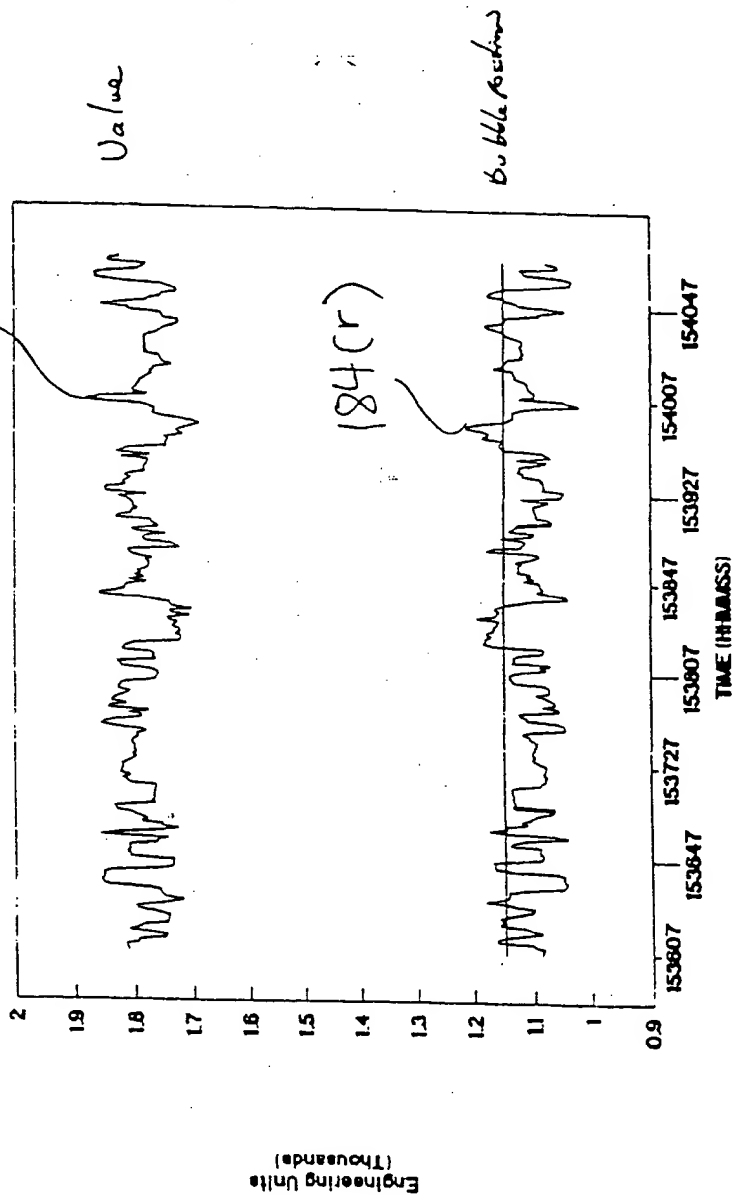


Figure 23 D

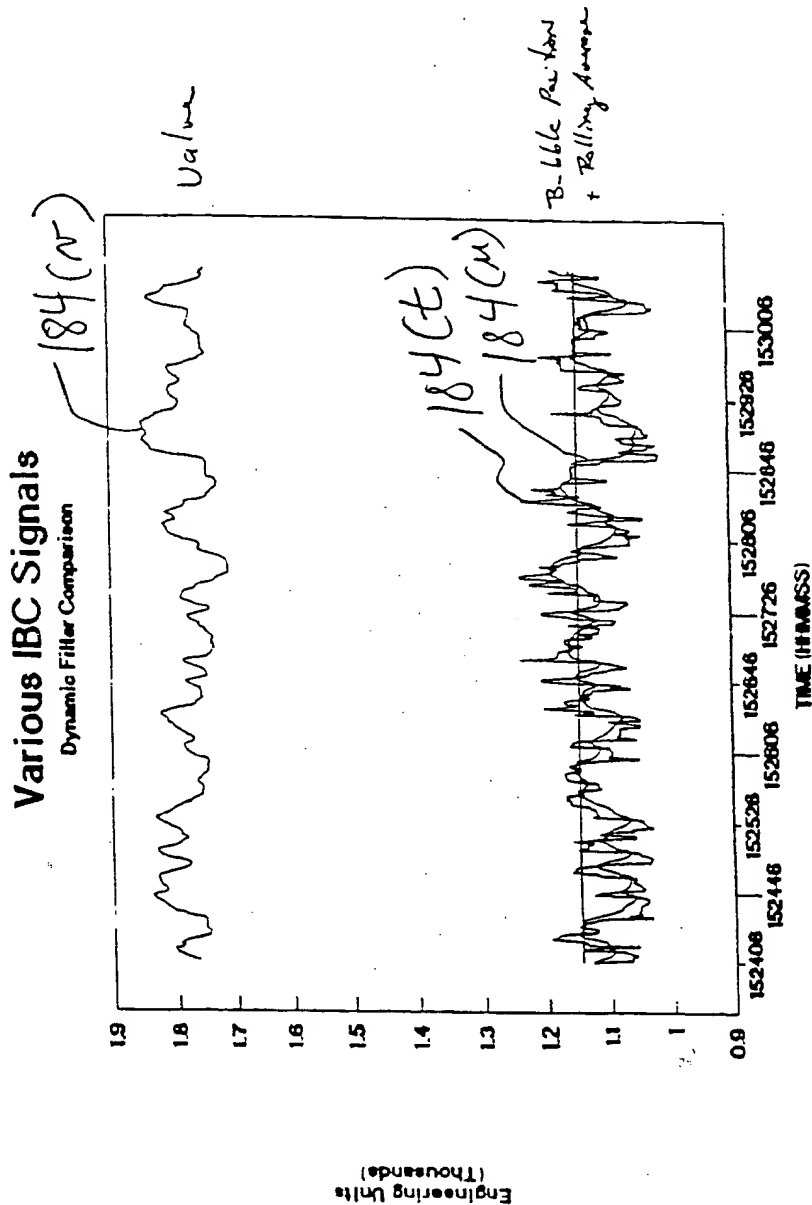


Figure 23E

TOSTED-48052860

Frequency Distribution Comparison

Dynamic Filter Vs. BPE

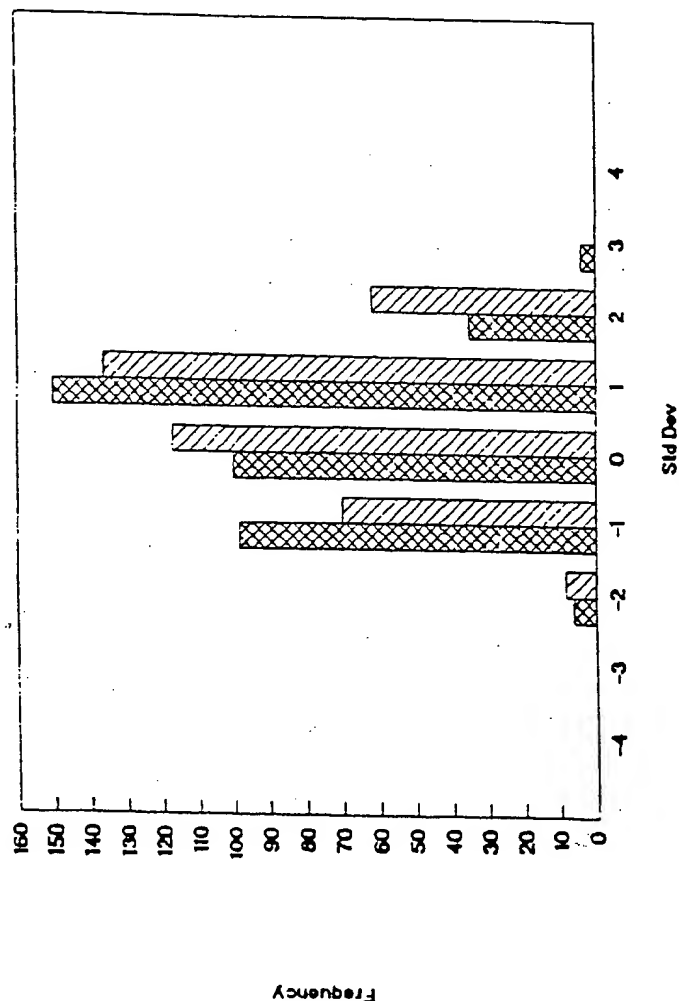


FIGURE 23F

Various IBC Signals

Start-Up With Dynamic Filter

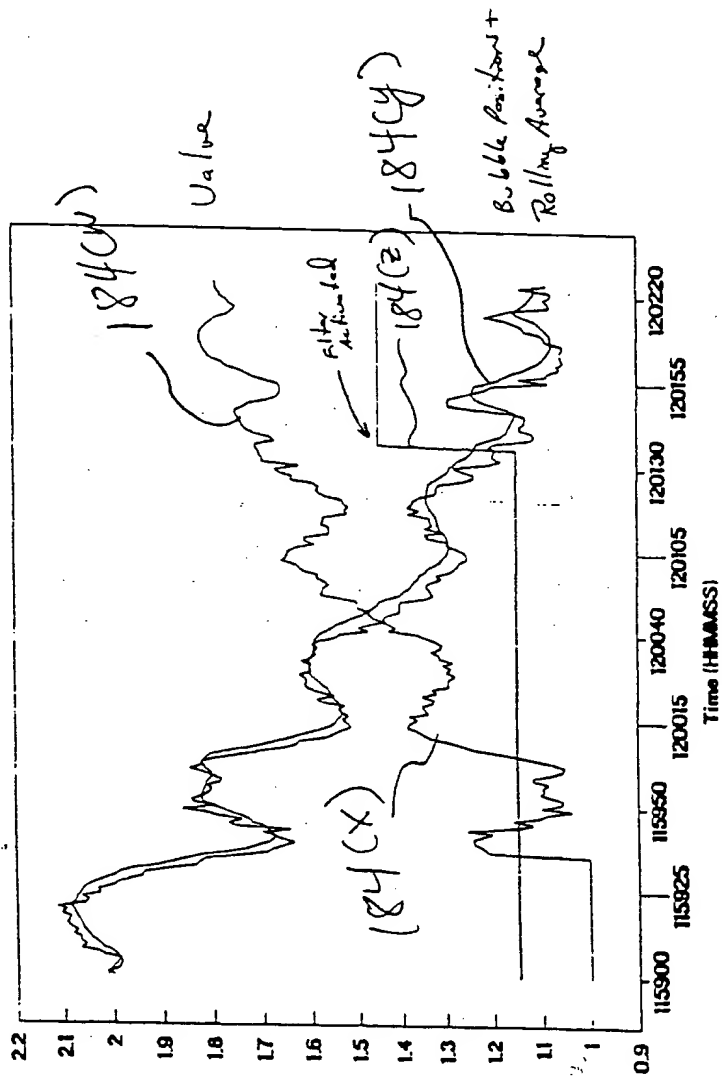


FIG 23G

TESTED 48062860

IS-IBC1 FILTER SIMULATION

INPUT - RAMPING LINE WITH RANDOM NOISE

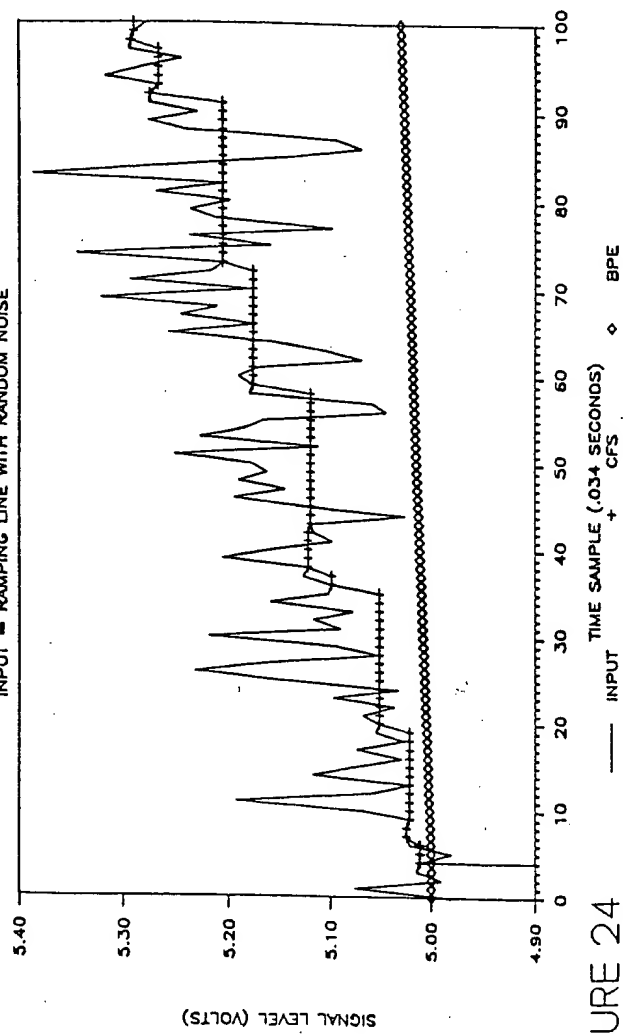


FIGURE 24

FIGURE 25A

09829084-081501

FIGURE 26A

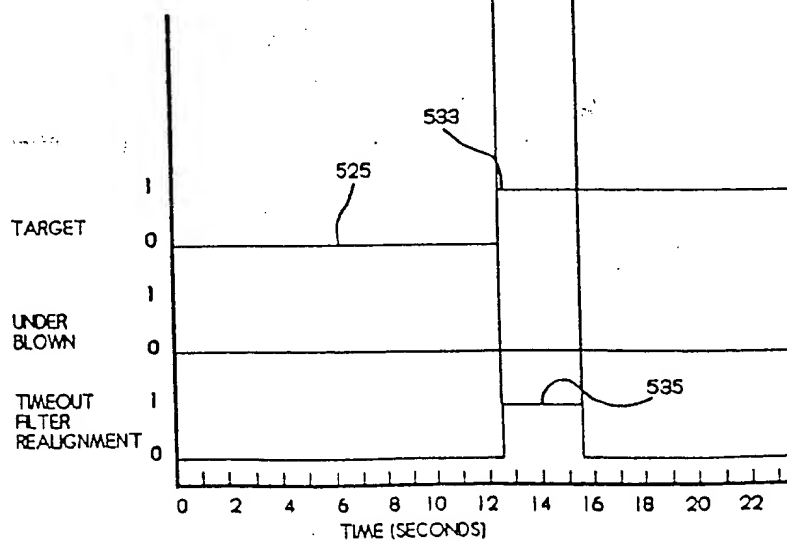
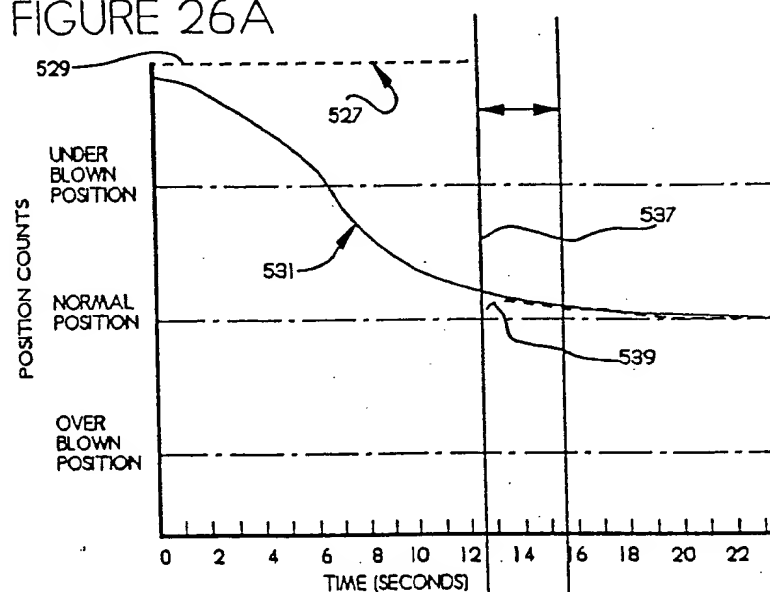


FIGURE 26B

FOI b7D b7C b6 b7E

FIGURE 27A

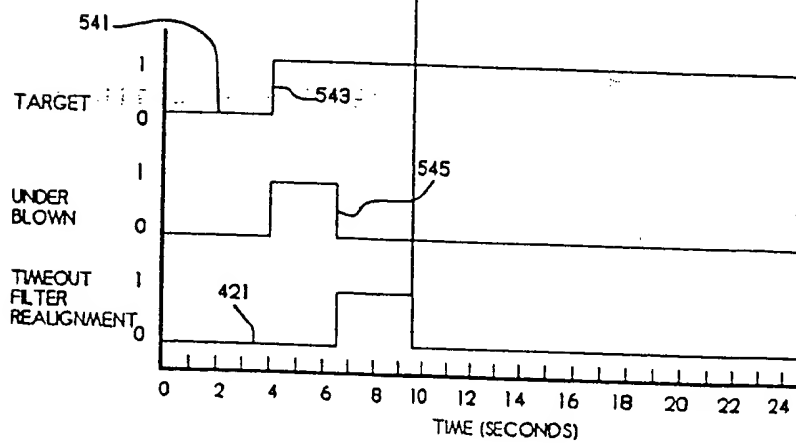
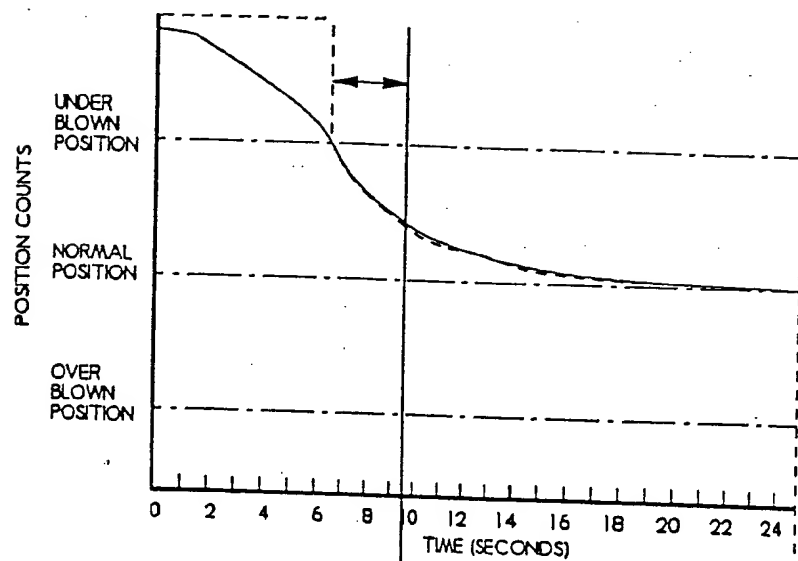


FIGURE 27B

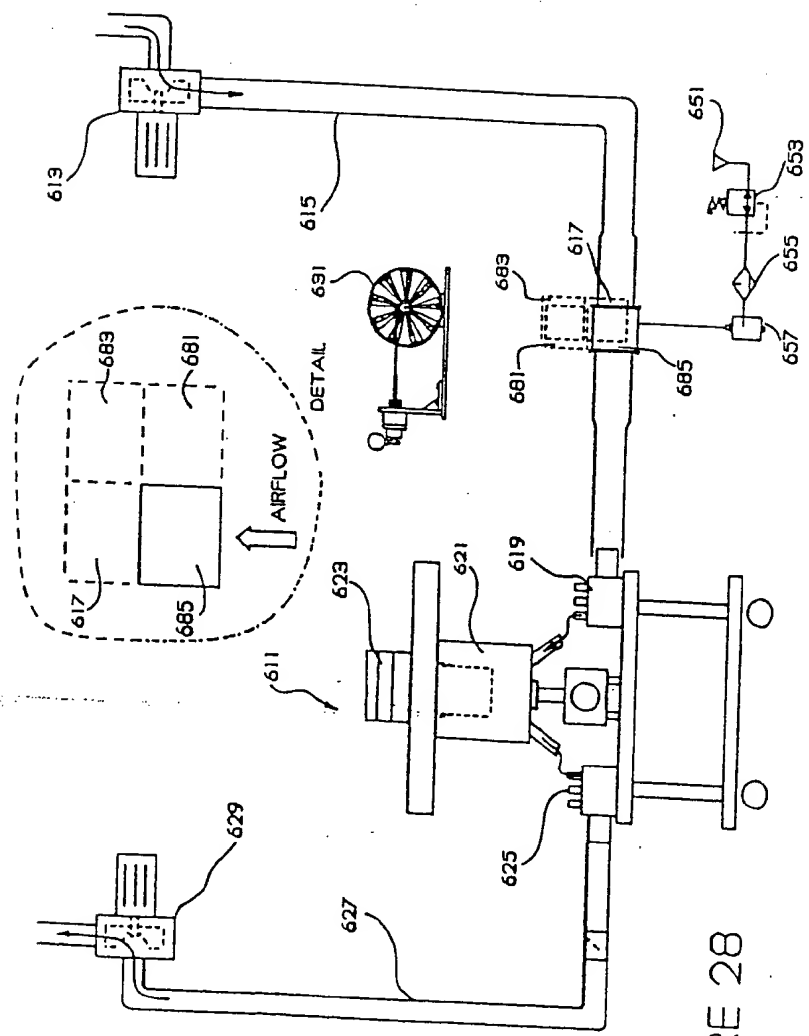


FIGURE 28

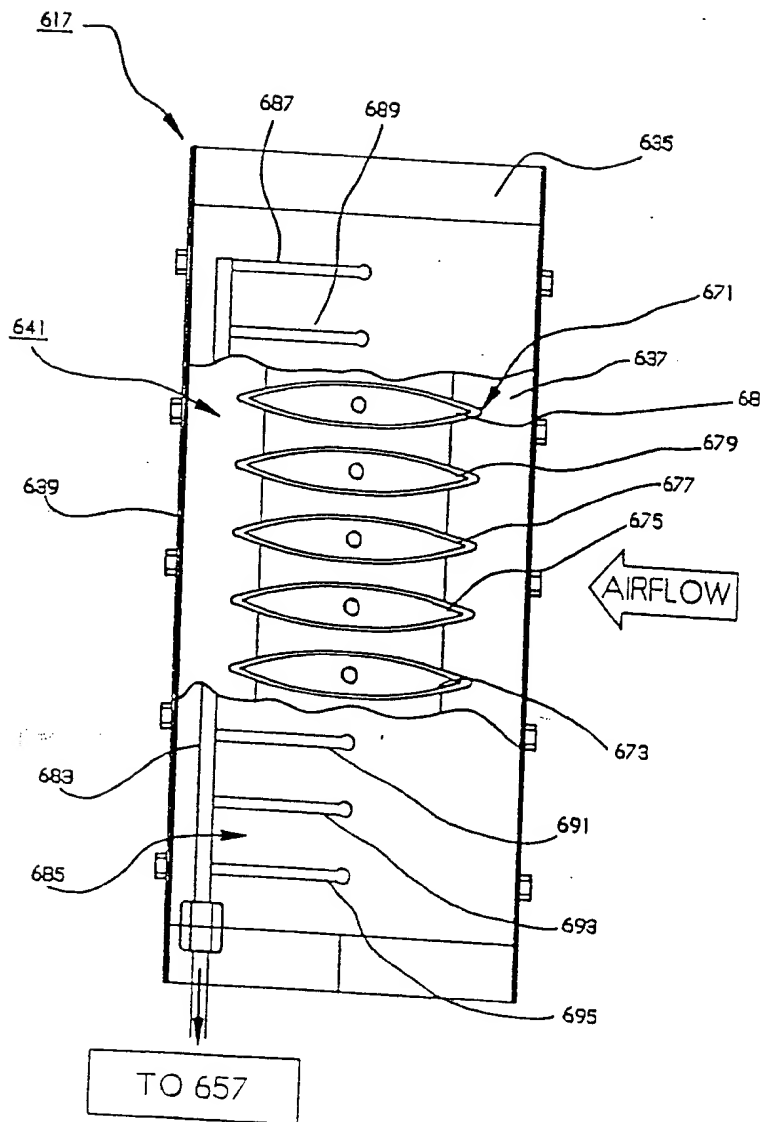


FIGURE 29

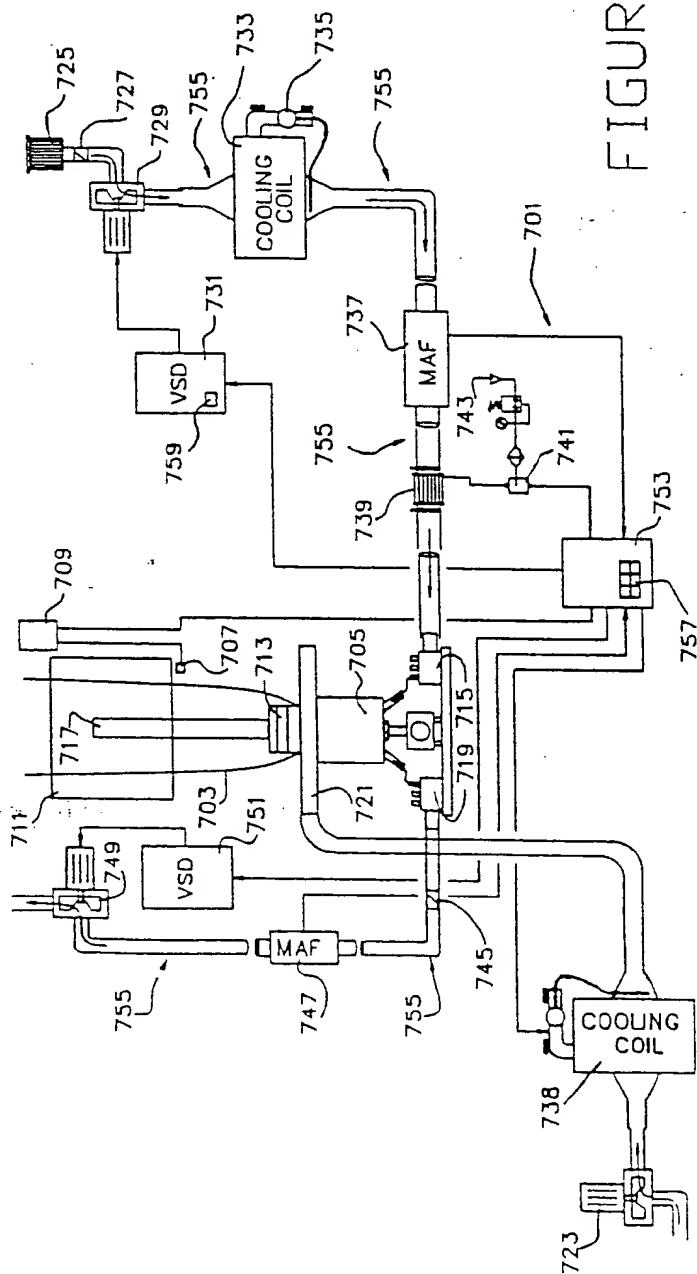


FIGURE 30

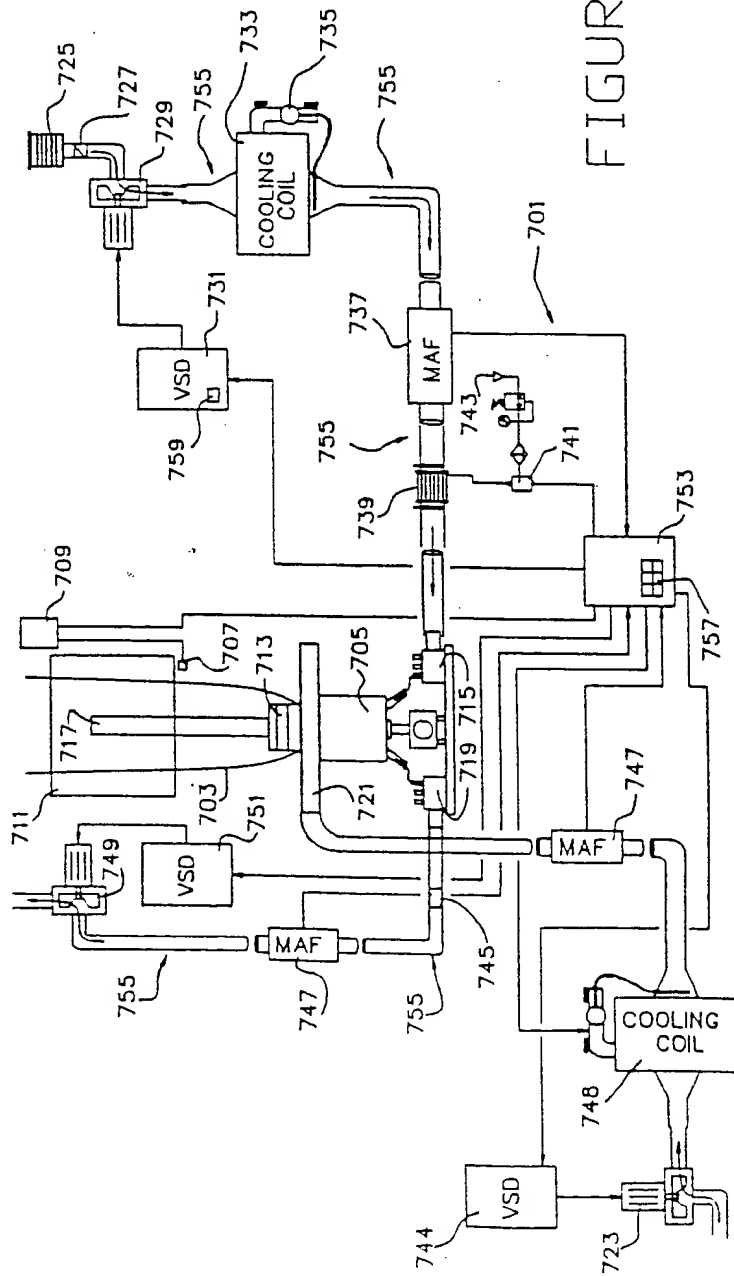


FIGURE 31

10929084-031601

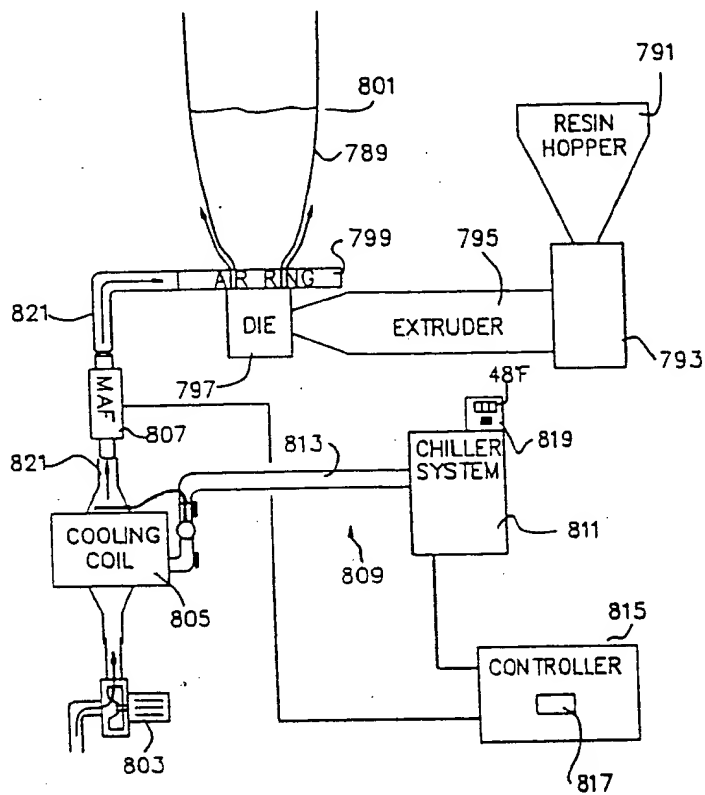


FIGURE 32

09229004-081501

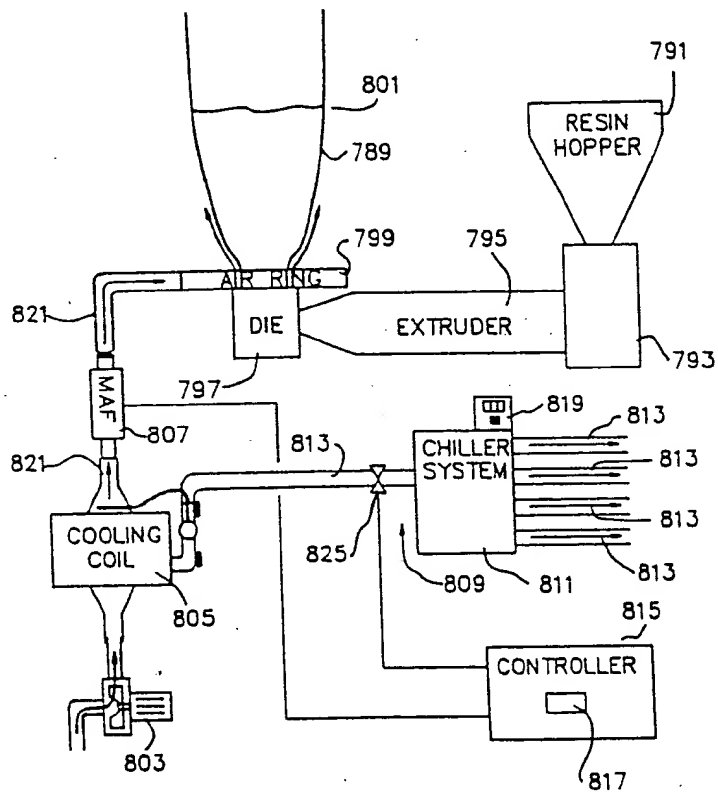


FIGURE 33

A schematic diagram of a resin extrusion system. At the top, a resin hopper (791) feeds resin into an extruder (793). The extruder (795) pushes resin through a die (797). Surrounding the die is an air ring (799). A line (801) carries resin from the die, and a line (789) carries air from the air ring. A MAF (807) is connected to the resin line (801). A VSD (831) is connected to the air line (789) via a valve (803). A pump (833) is connected to the air line (789) via a valve (821). A controller (815) is connected to the VSD (831) and the pump (833) via lines (817). The controller (815) also has a display (817).

09829084.031601

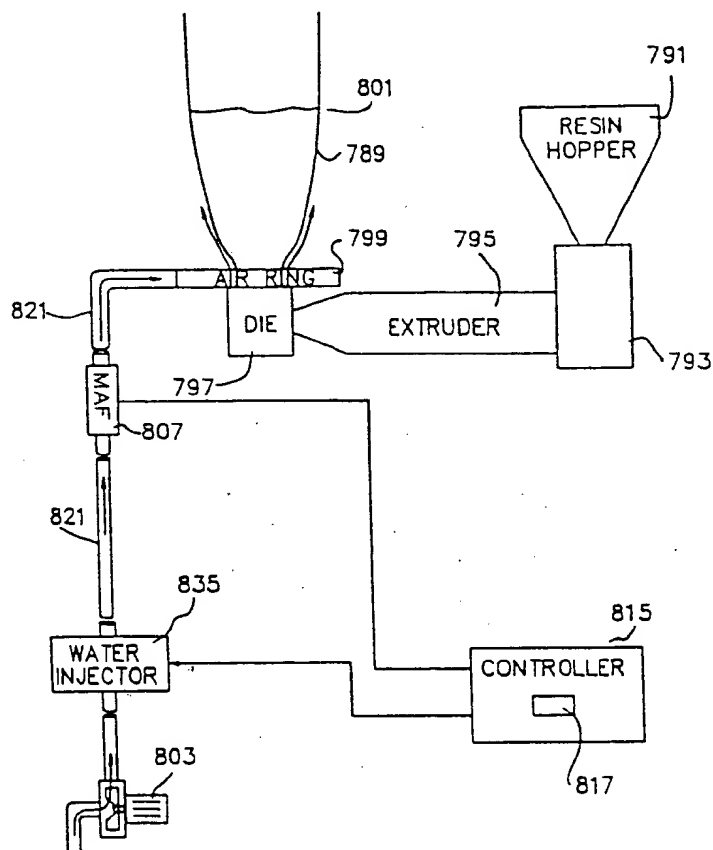


FIGURE 35

109T80-48062860

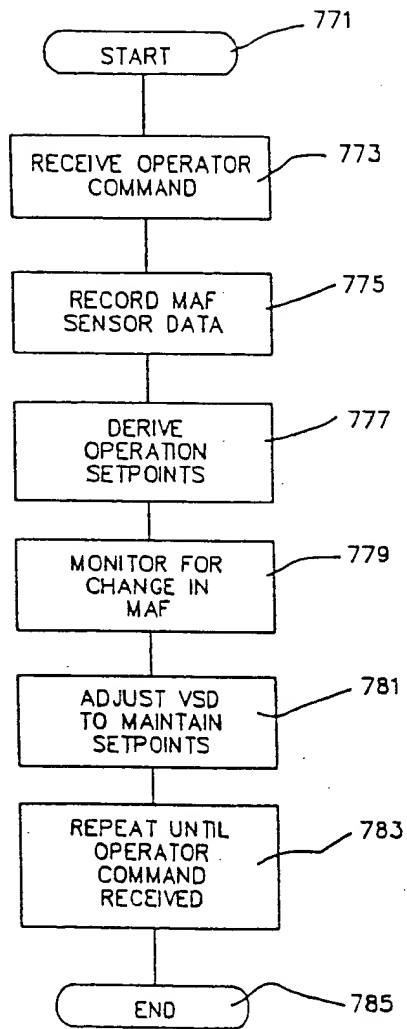


FIGURE 36

09829084-081601

Client _____
File No. _____
Sheet No. _____ of _____

PATENT SKETCH FORM

Attorney _____

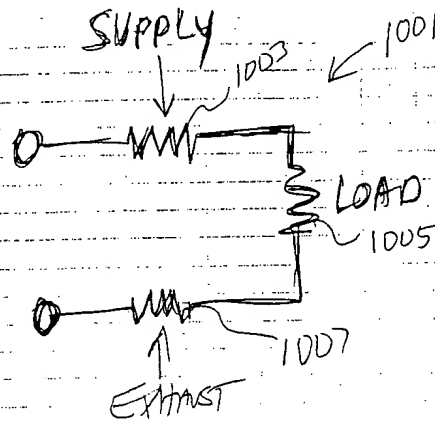


FIGURE 37A
(PRIOR ART)

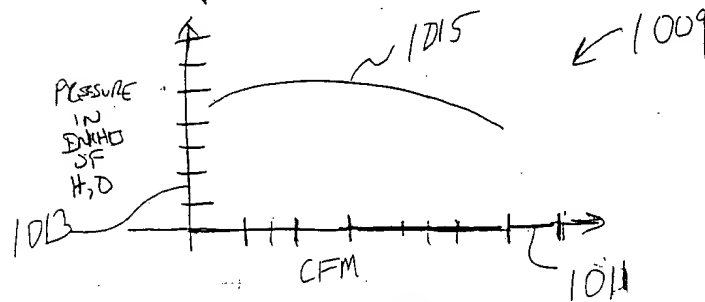


FIGURE 37B
(PRIOR ART)

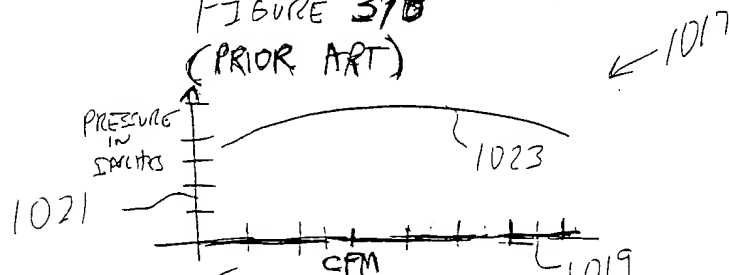
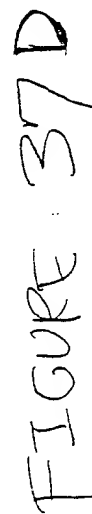


FIGURE 37C
(PRIOR ART)

Attorney _____



09829084-081601

Client _____
File No. _____
Sheet No. _____ of _____

PATENT SKETCH FORM

Attorney _____

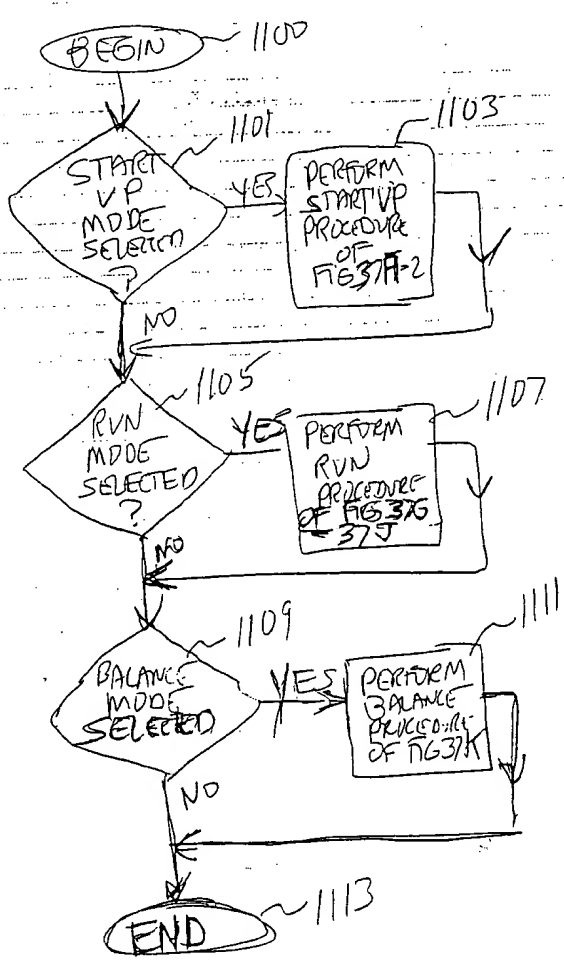


FIGURE 37 E

09829084-081501

Client: _____
File No. _____
Sheet No. _____ of _____

PATENT SKETCH FORM

Attorney: _____

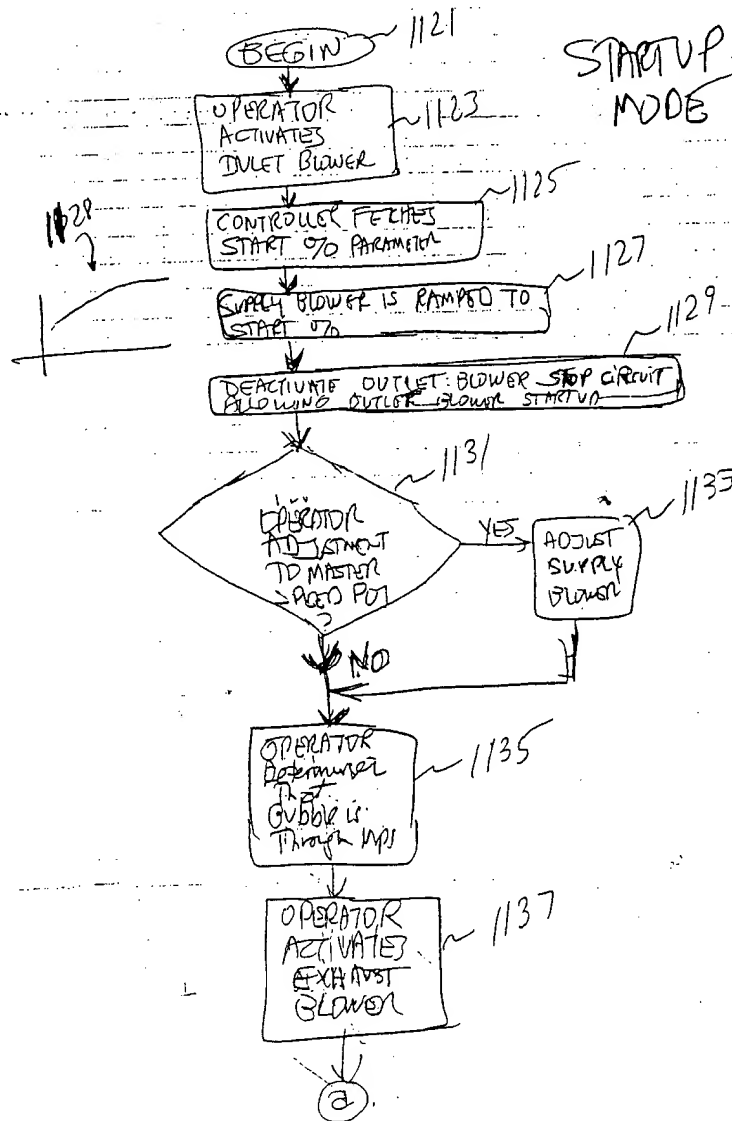


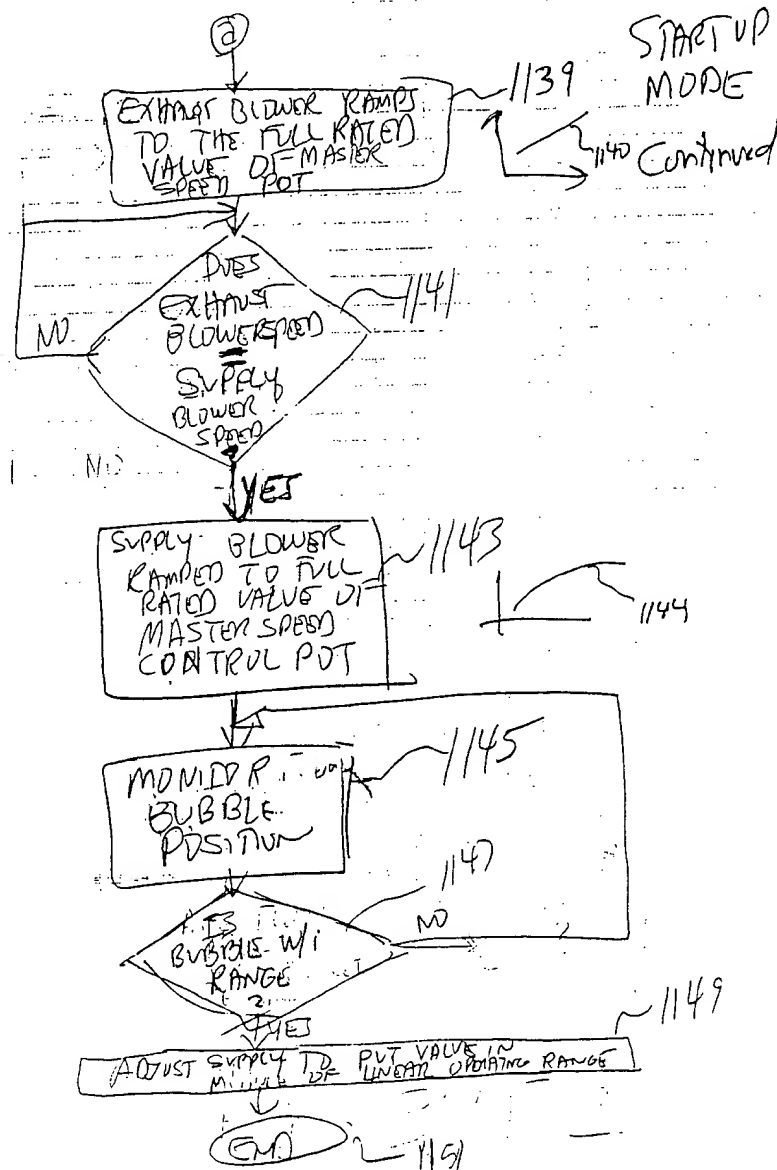
FIG 37 F1

09829084-031501

Client _____
File No. _____
Sheet No. _____ of _____

PATENT SKETCH FORM

Attorney _____



PATENT SKETCH FORM

Attorney _____

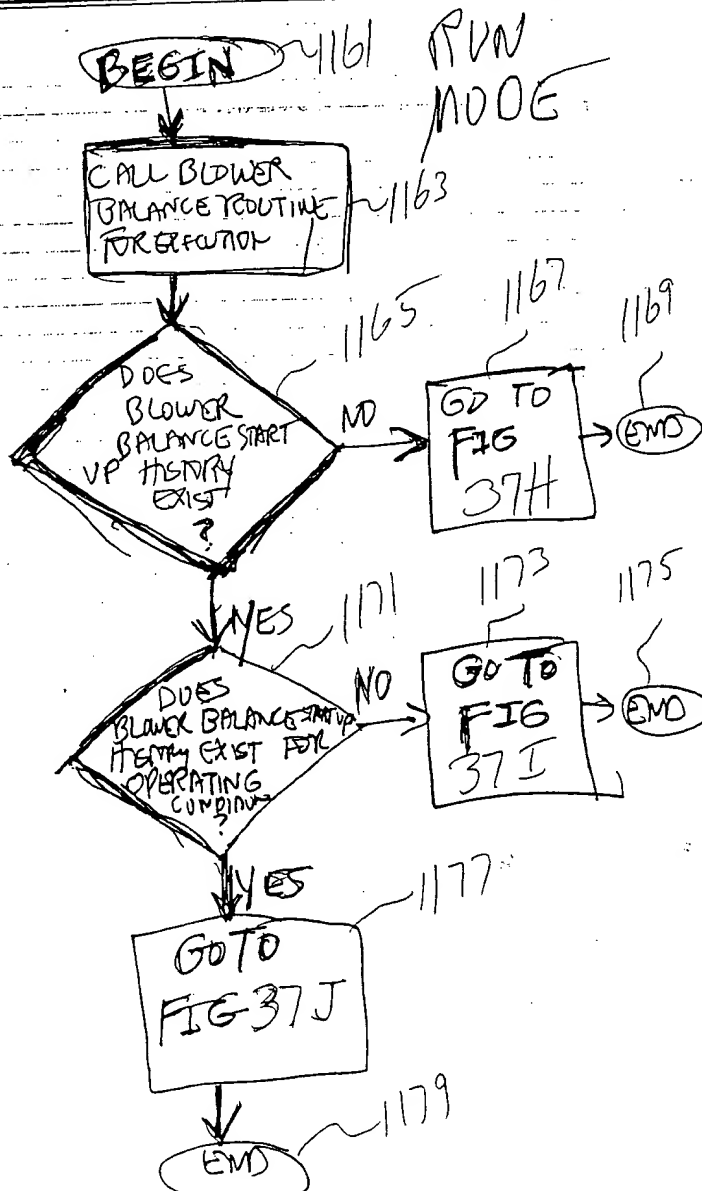


FIGURE 37G

109829004-031601

109829084-081501

PATENT SKETCH FORM

Attorney _____

Client _____
File No. _____
Sheet No. _____ of _____

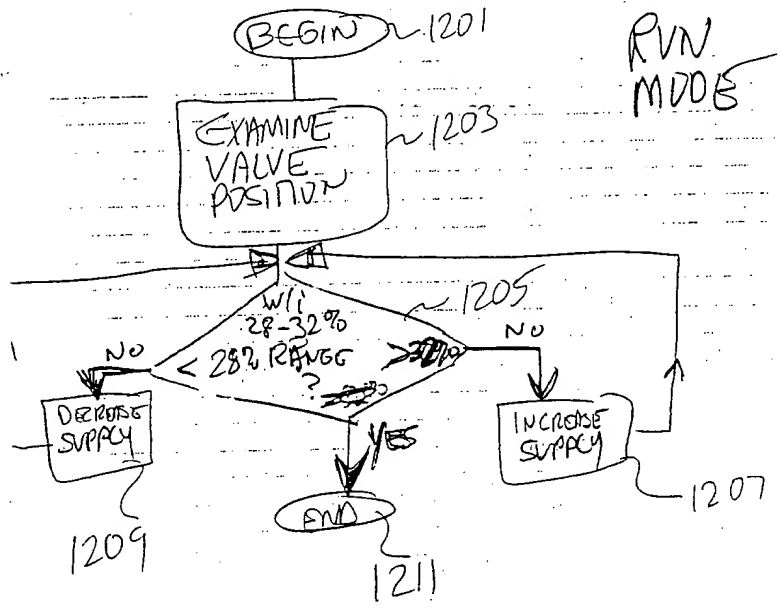


FIGURE 3TH

PATENT SKETCH FORM

Attorney _____

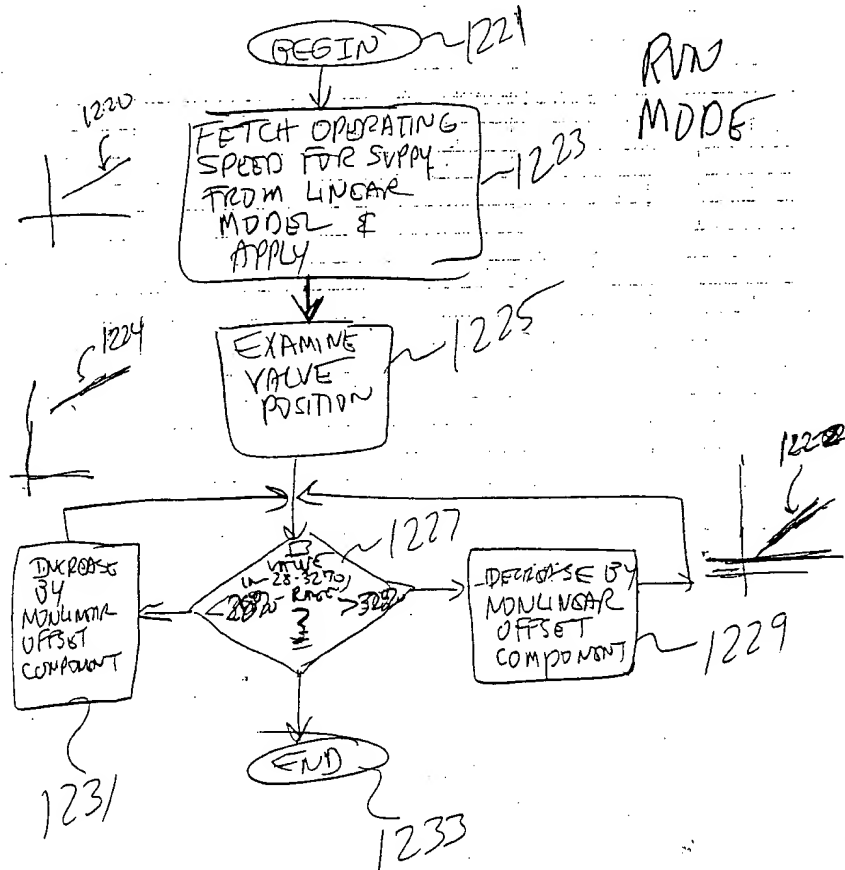


FIGURE 37 I

109829084-081601

FOR 37C-48062860

Client _____
File No. _____
Sheet No. _____ of _____

PATENT SKETCH FORM

Attorney _____

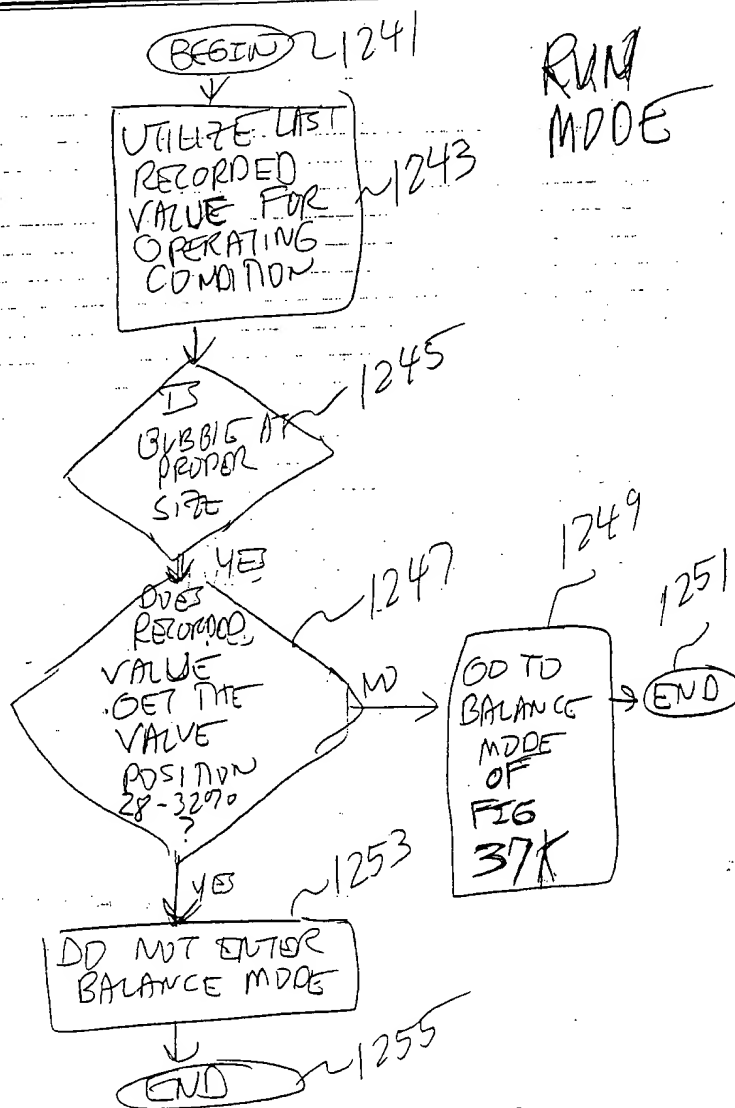


FIGURE 37J

PATENT SKETCH FORM

Attorney _____

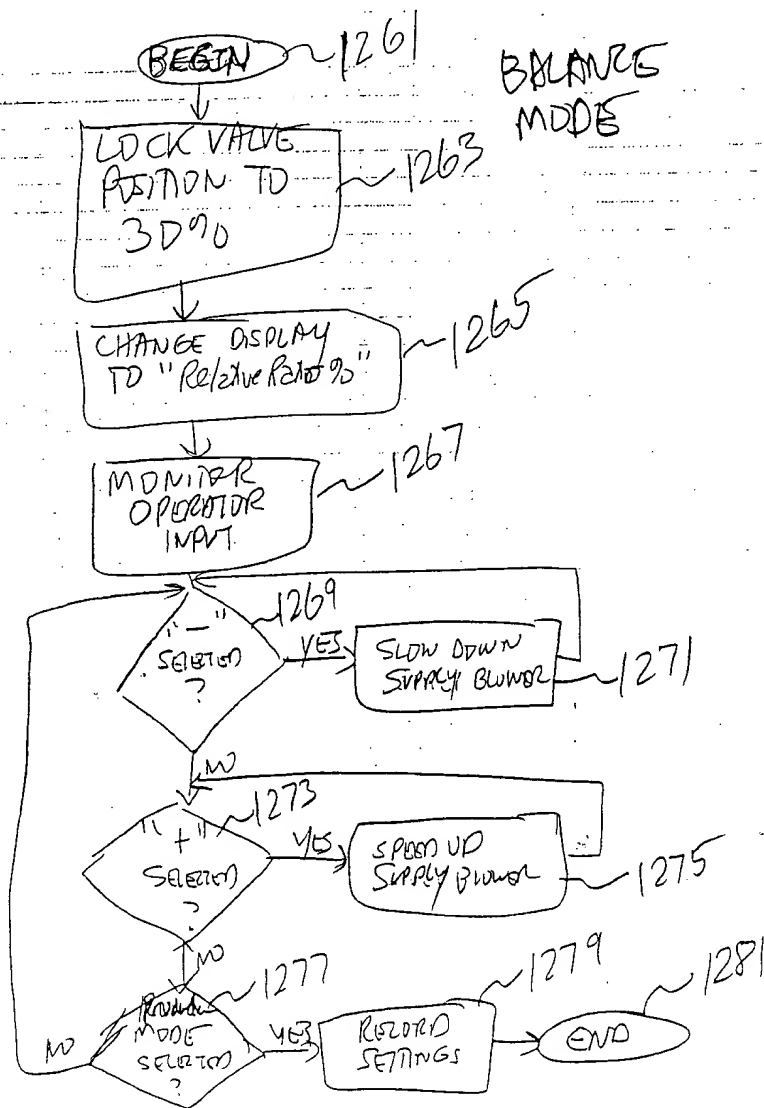


FIGURE 37K

09829084-081501

PATENT SKETCH FORM

Attorney _____

1301 ↓ MASTER SPEED POT SETTING	1303 ↓ (SUPPLY) SPEED	1305 ↓ REFERENCE VOLTS
A 90	AC	BD
B 90	AG	BF
⋮		
Z 0%	AM	BX

FIGURE 37L

PATENT SKETCH FORM

Attorney _____

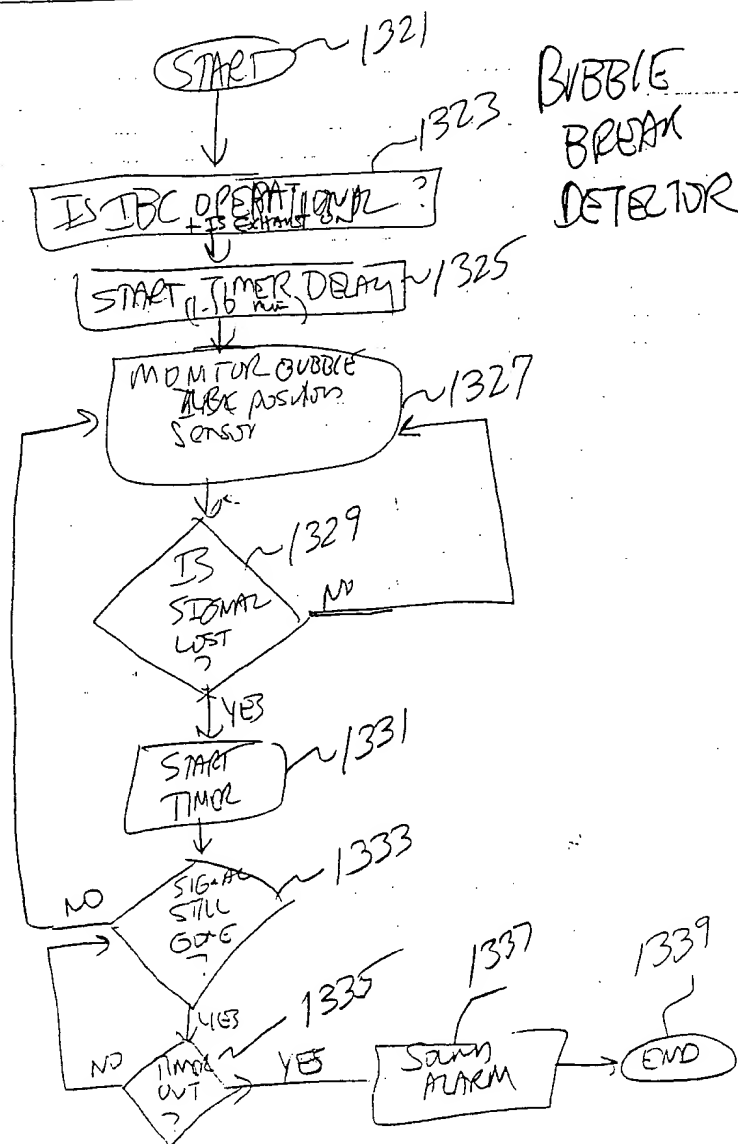
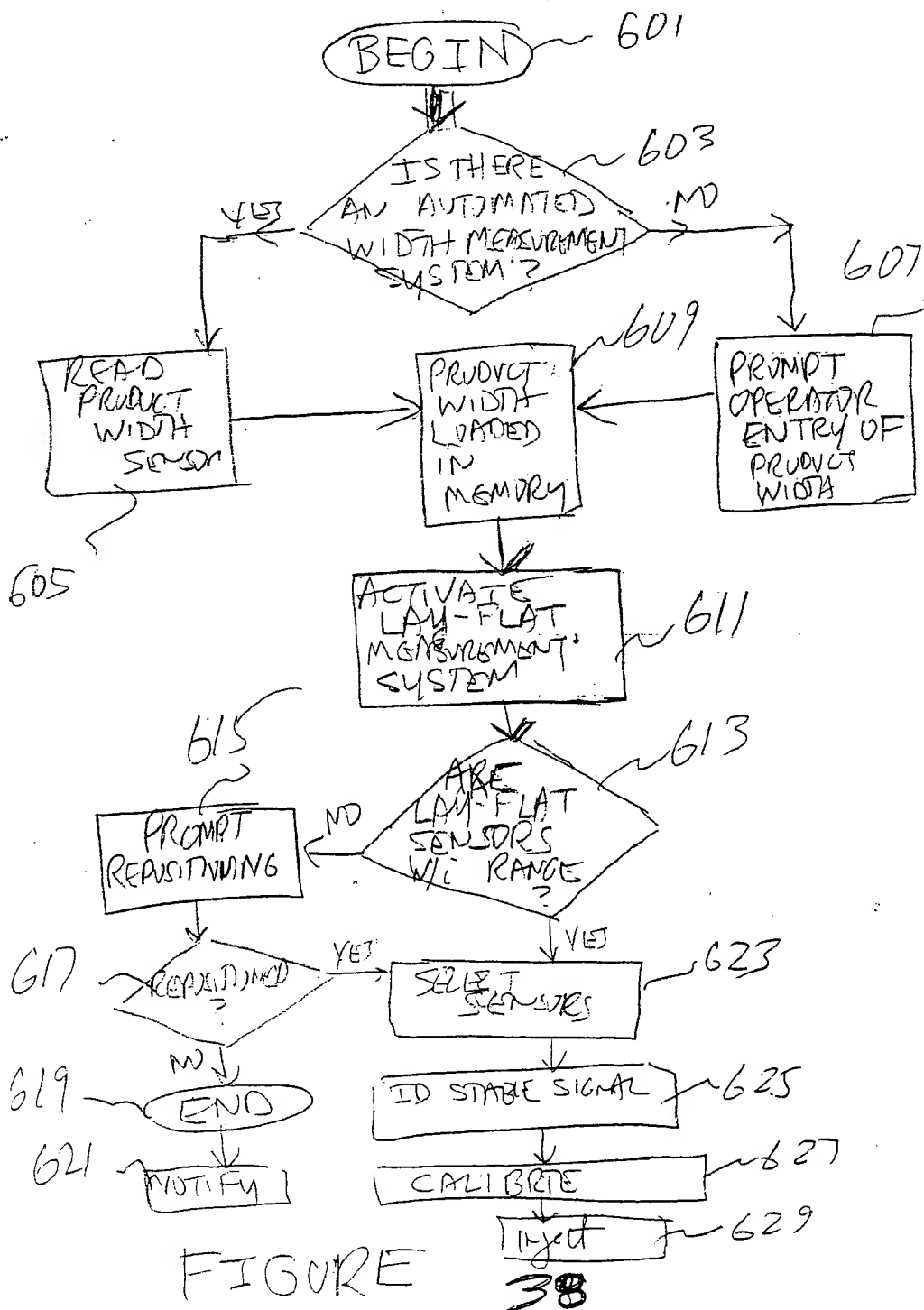


FIGURE 37M

109180-48062860



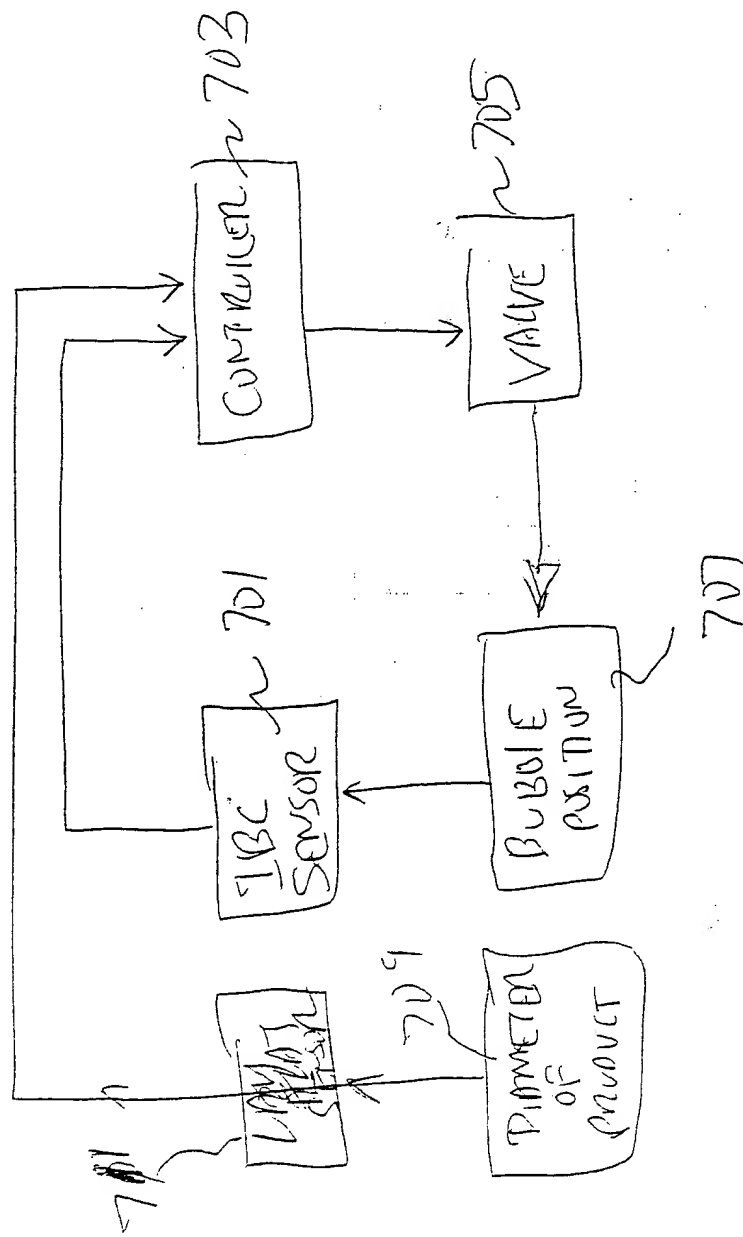


FIGURE 39

09829084-081601

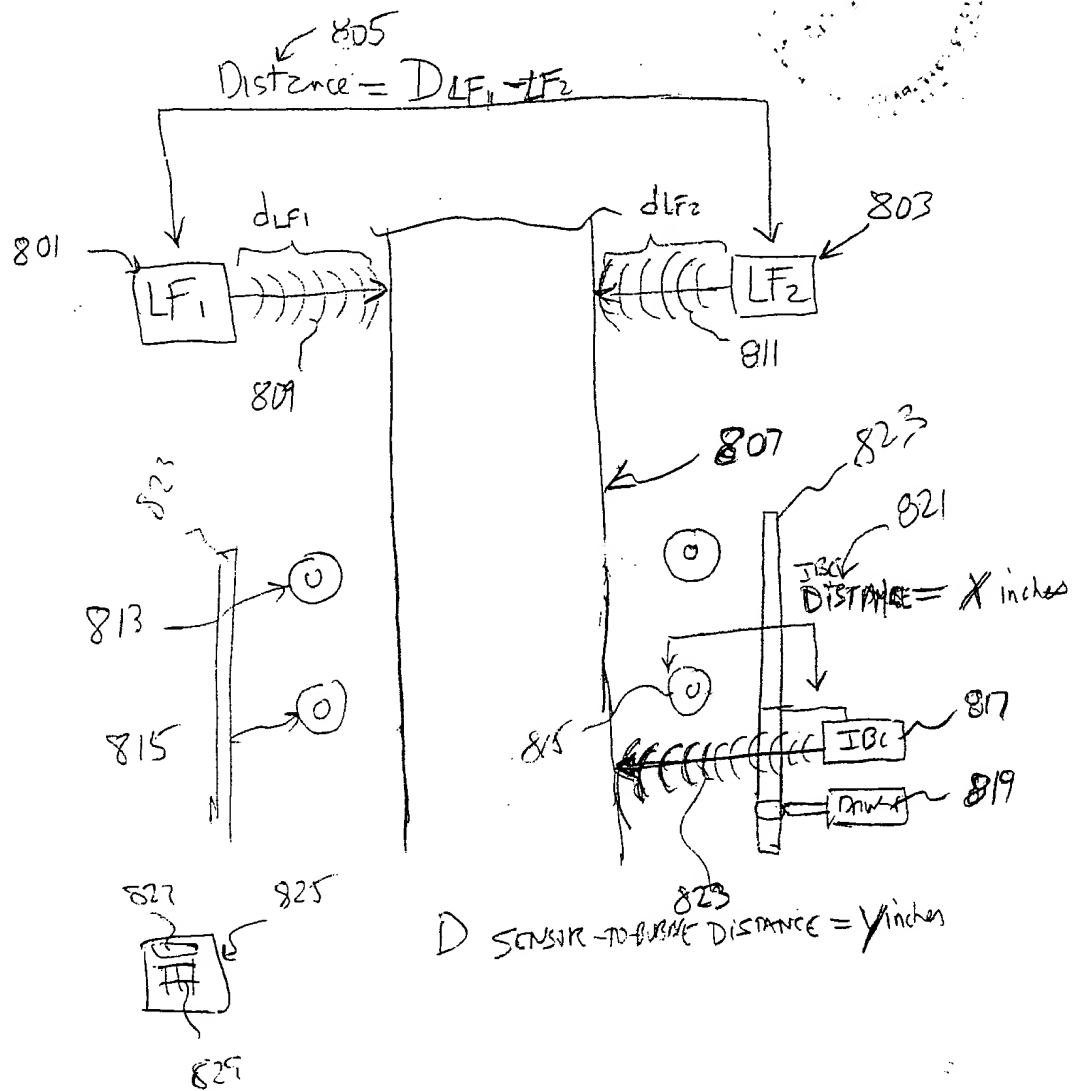


FIGURE 40

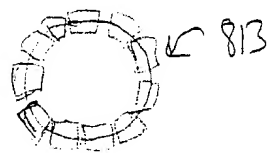


FIGURE 41

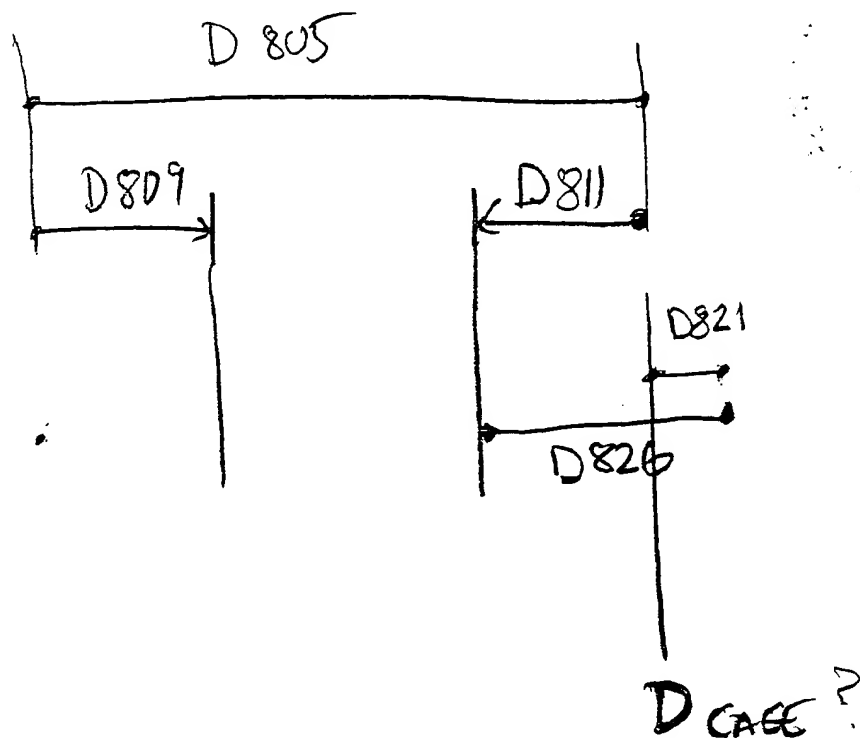


FIG 423

$$D_{CAGE} = (D_{805} - D_{809} - D_{811}) + (D_{826} - D_{821})$$

09829084-081601

FIGURE 7 MODE

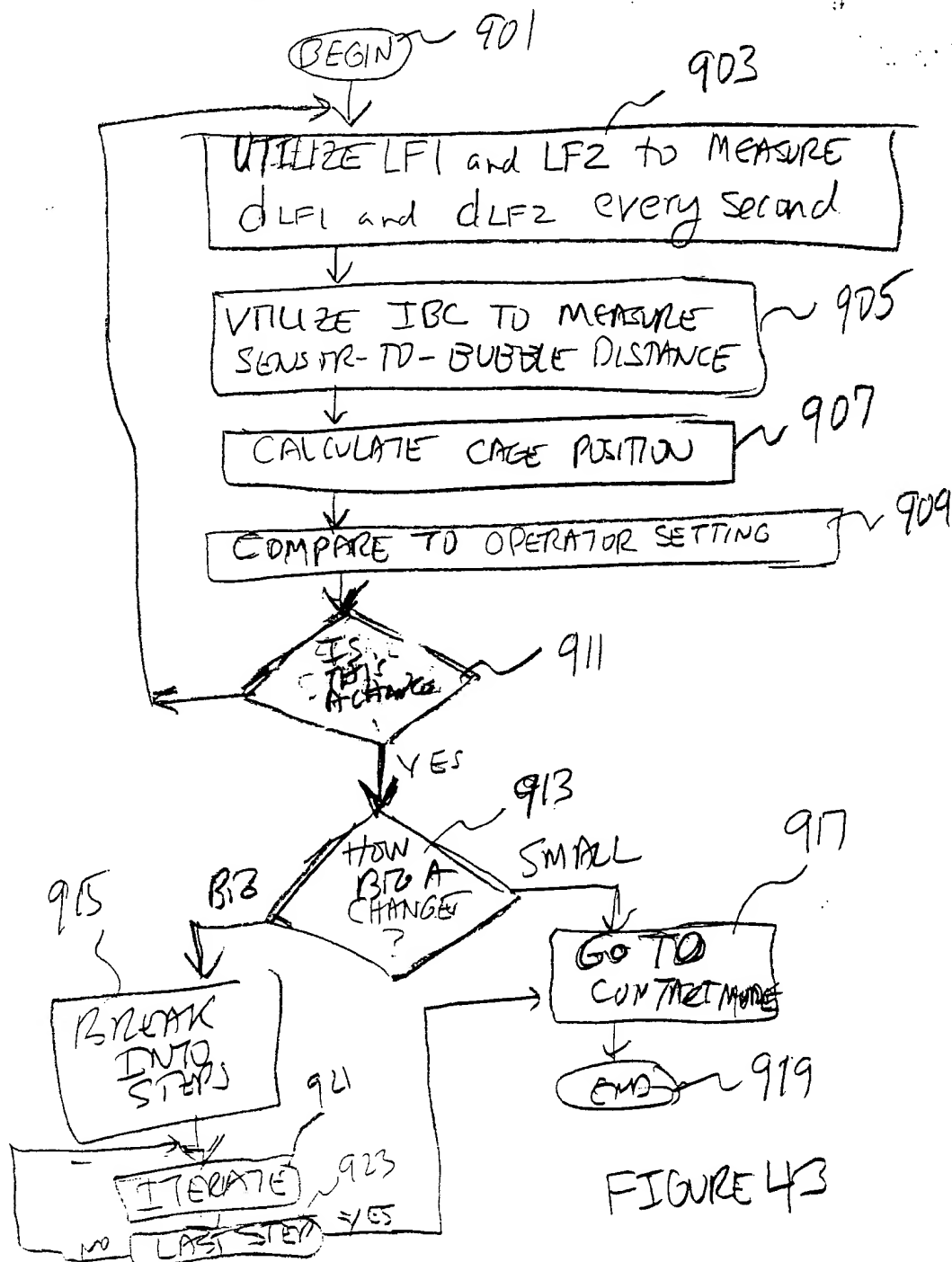


FIGURE 43

This Routine Runs
only when Echo loss occurs

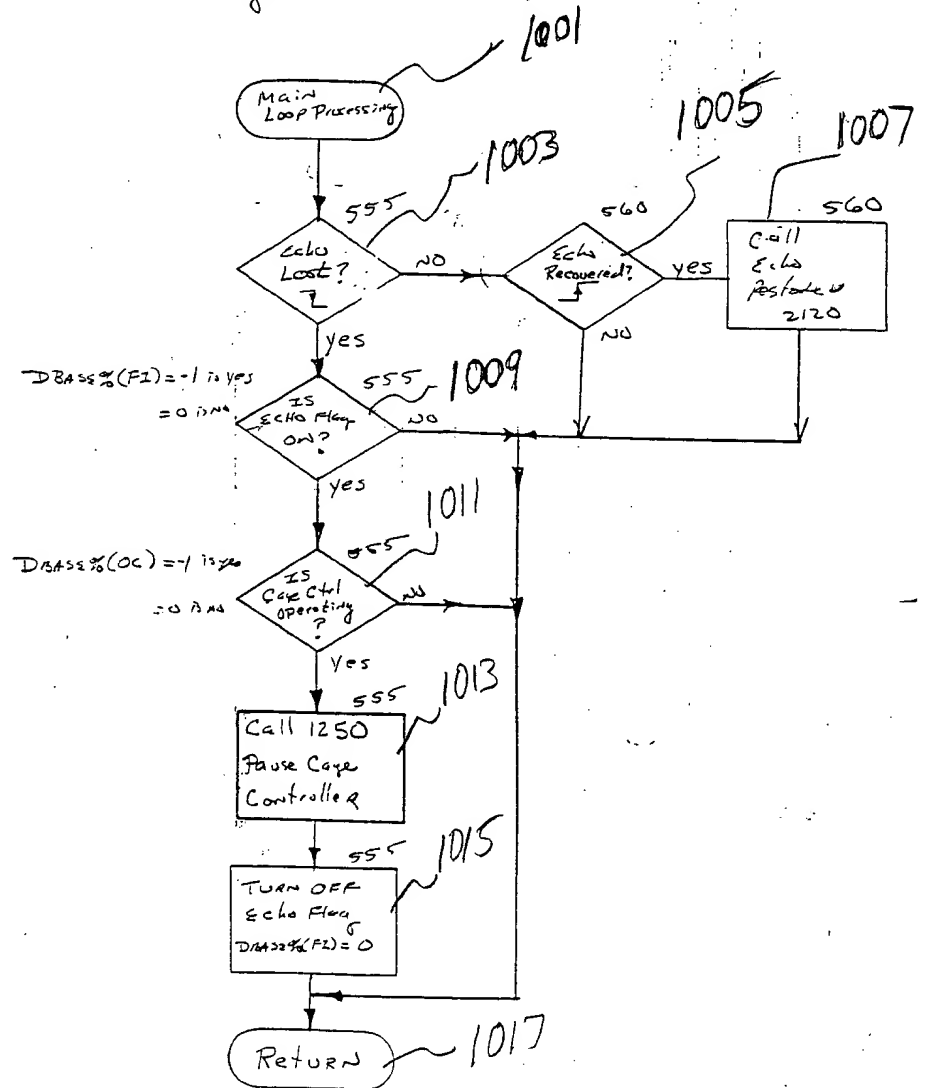


FIGURE 44A

09829084-031501

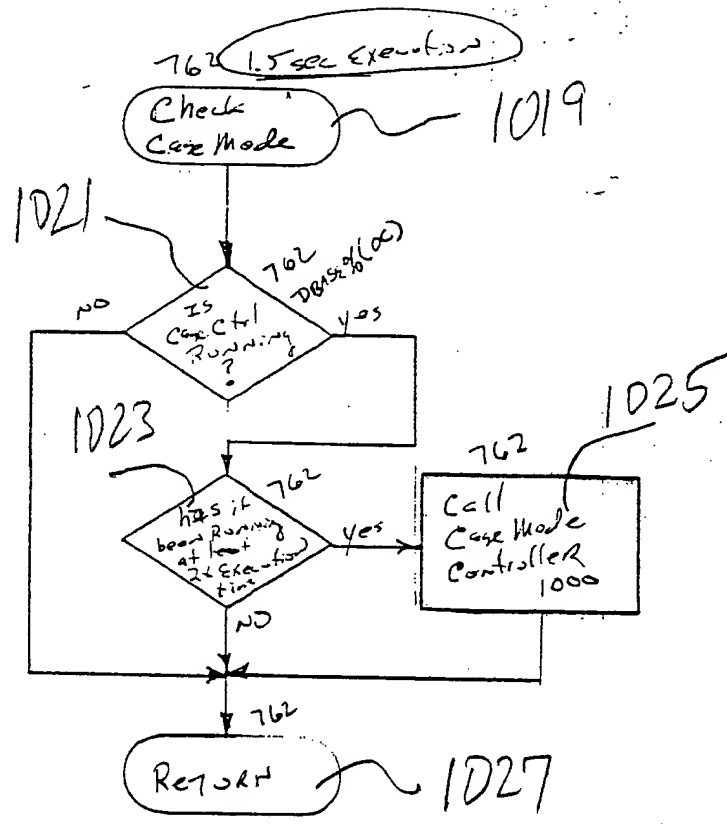
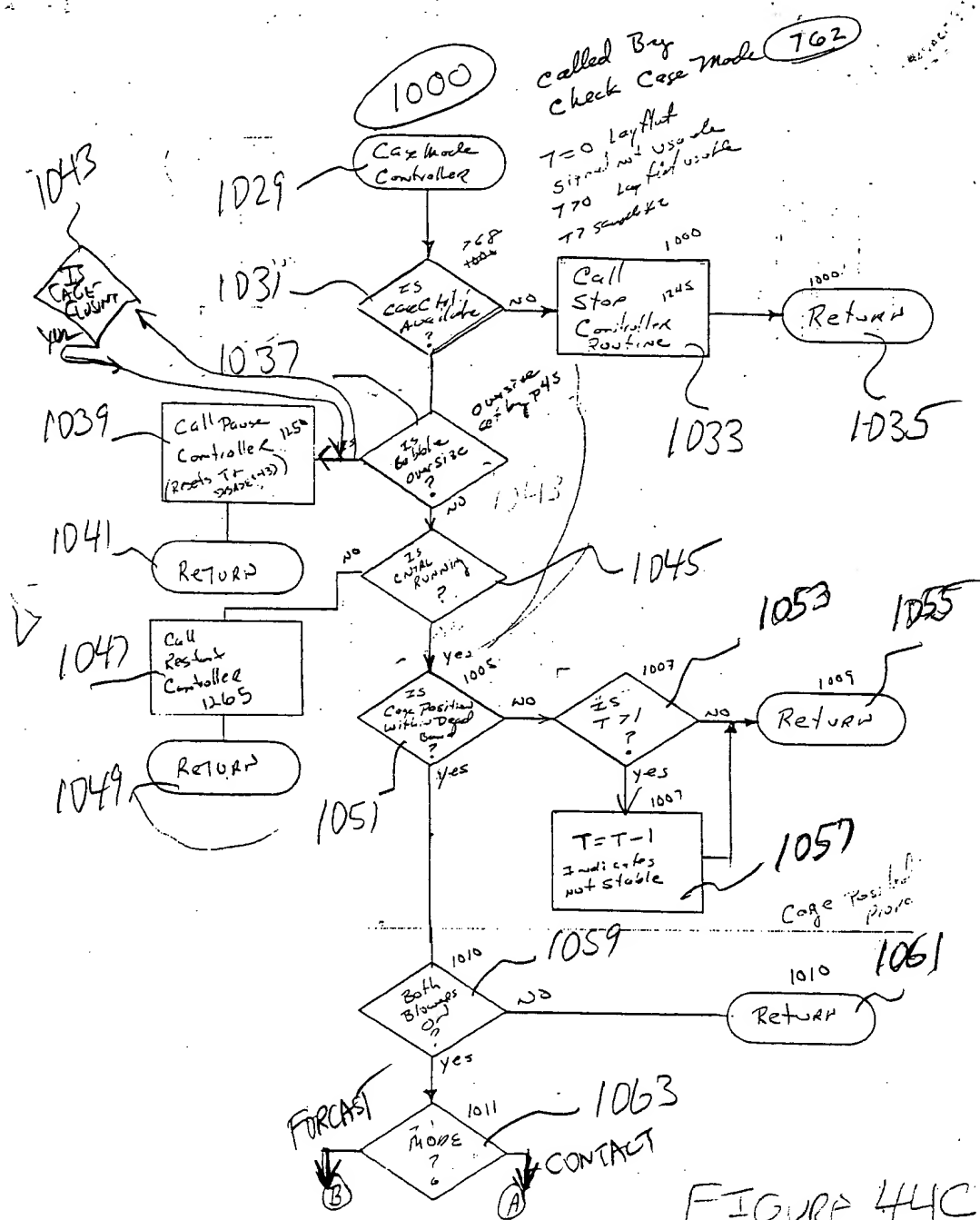


FIGURE 44B

called Bay
check case made 762
7-0 lay flat
signed not visible
770 lay flat visible
2 samples



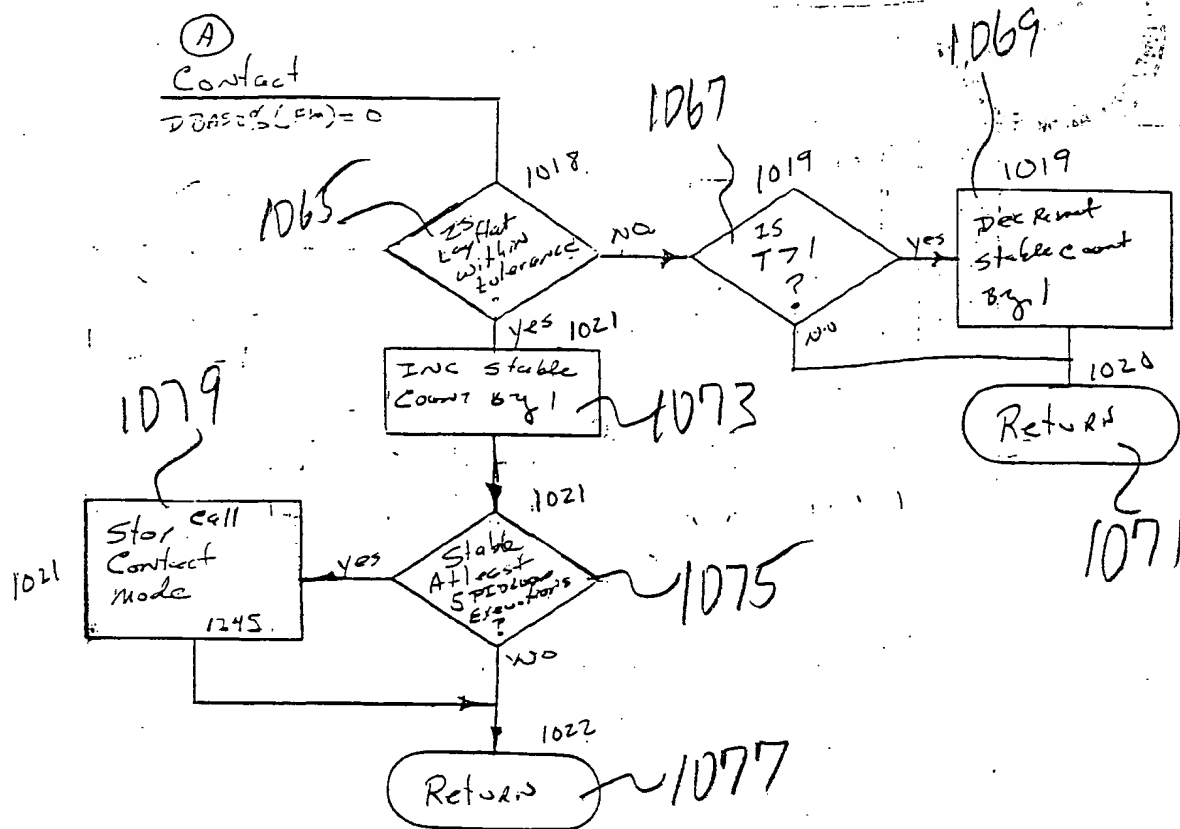
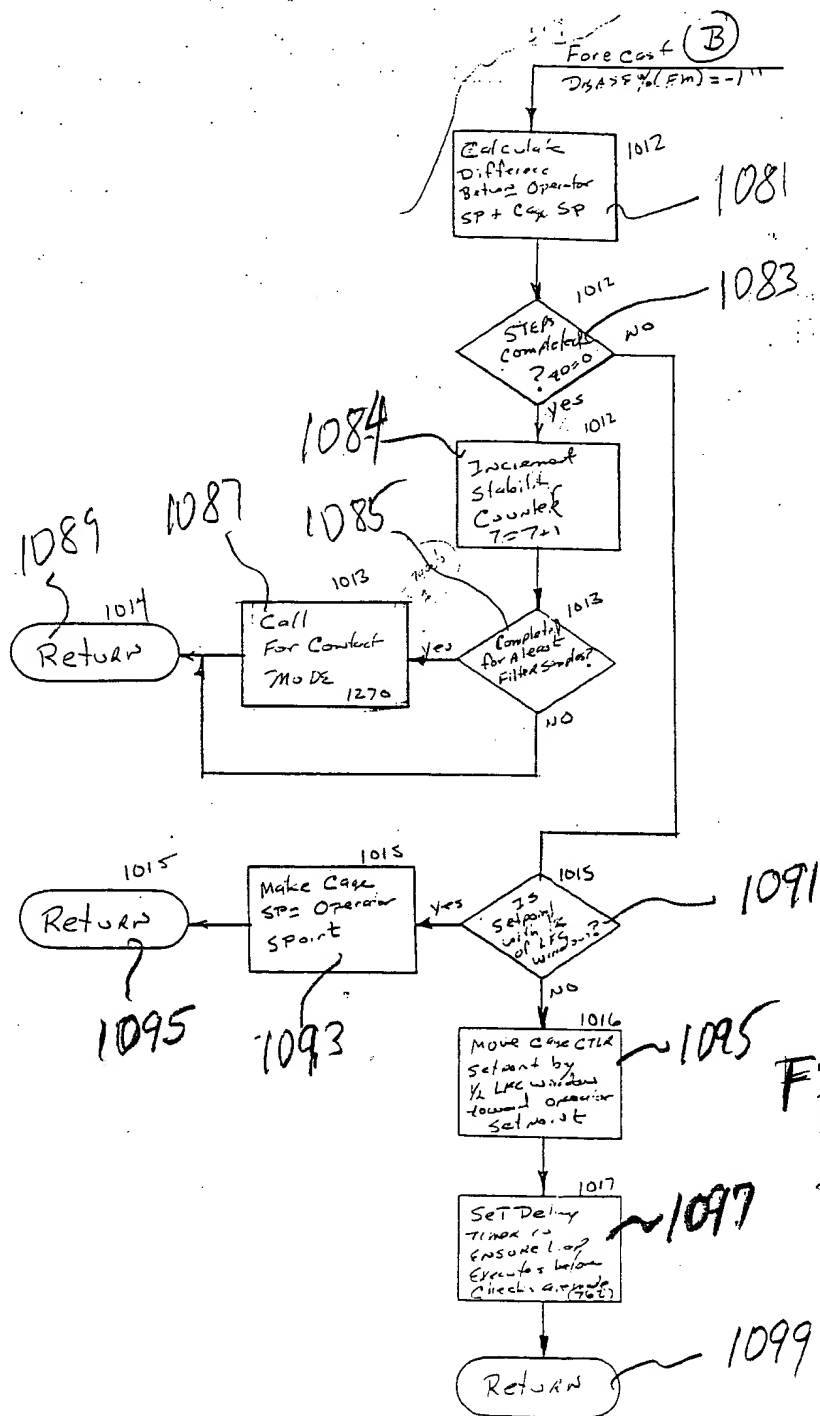


FIGURE 44 D

CONTACT MODE

10989084" 081601



09829084-081601

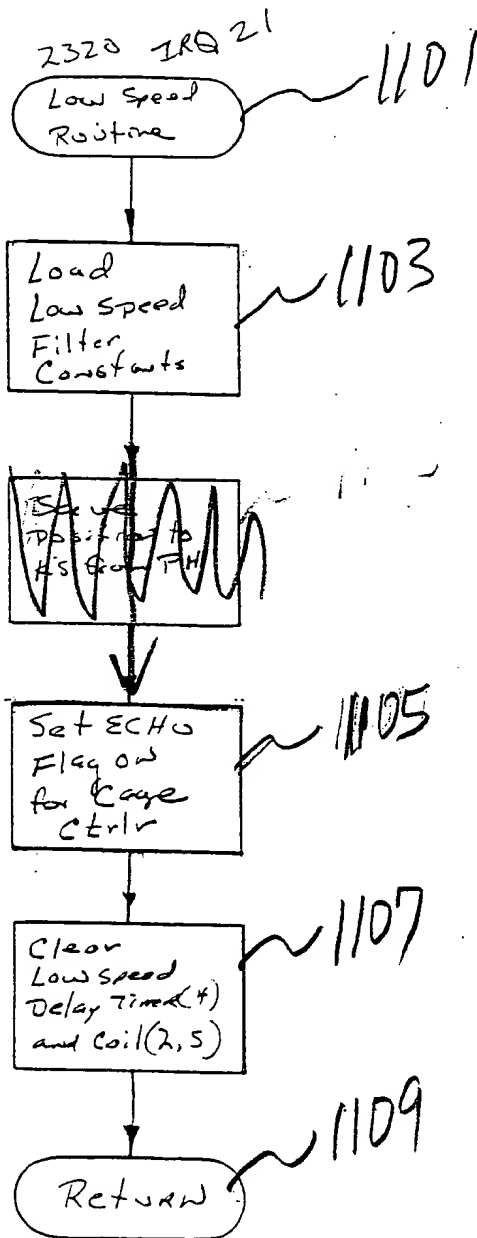


FIGURE 44 F

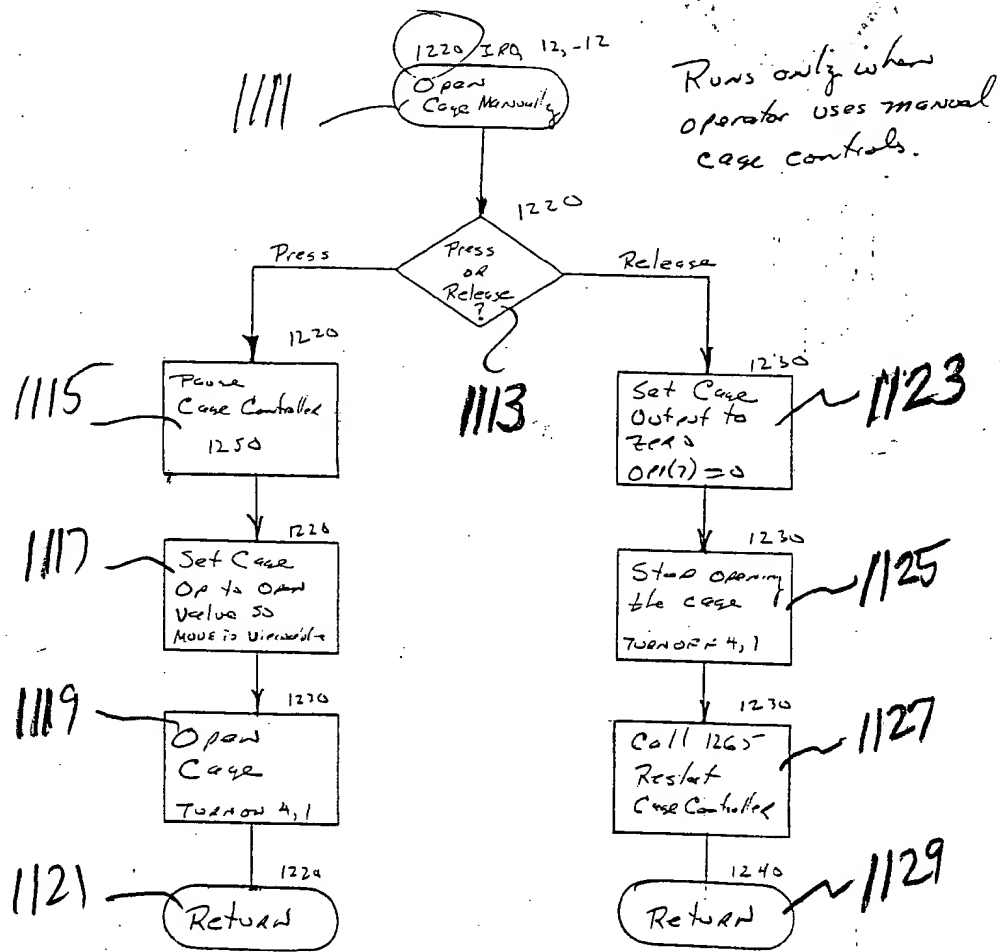


FIGURE 44G

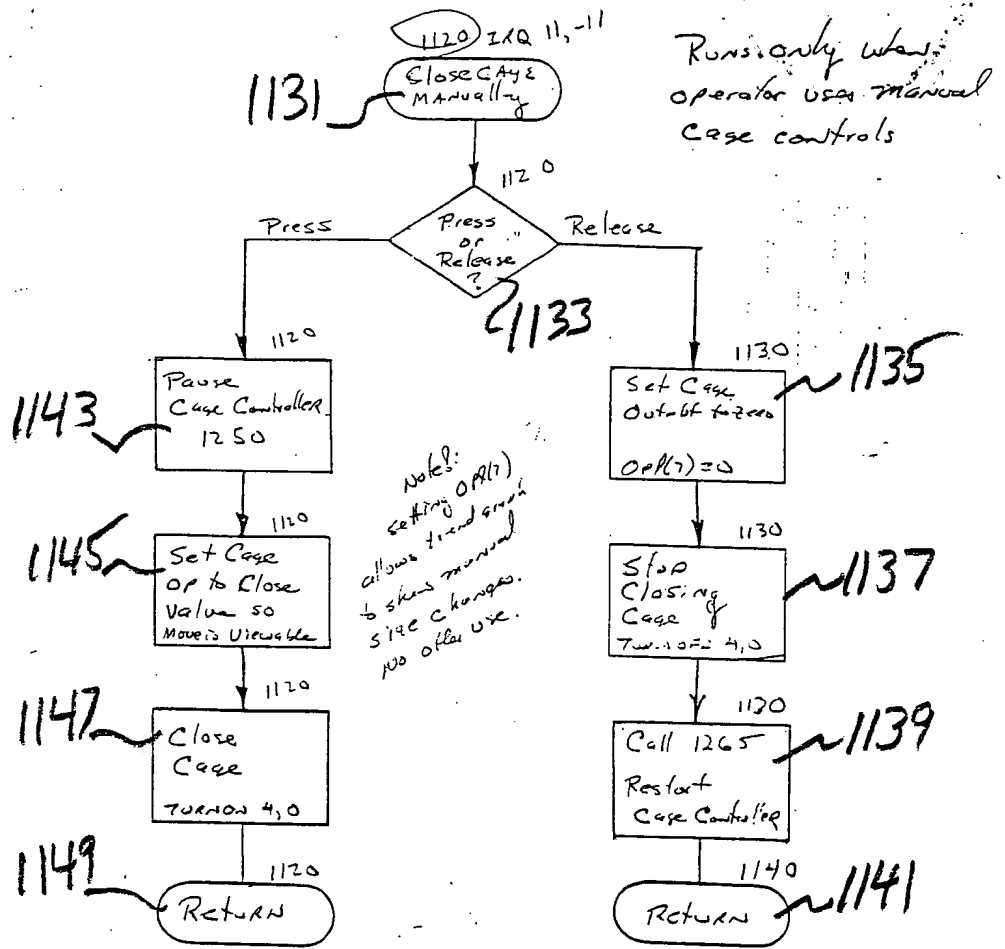


FIGURE 44 H

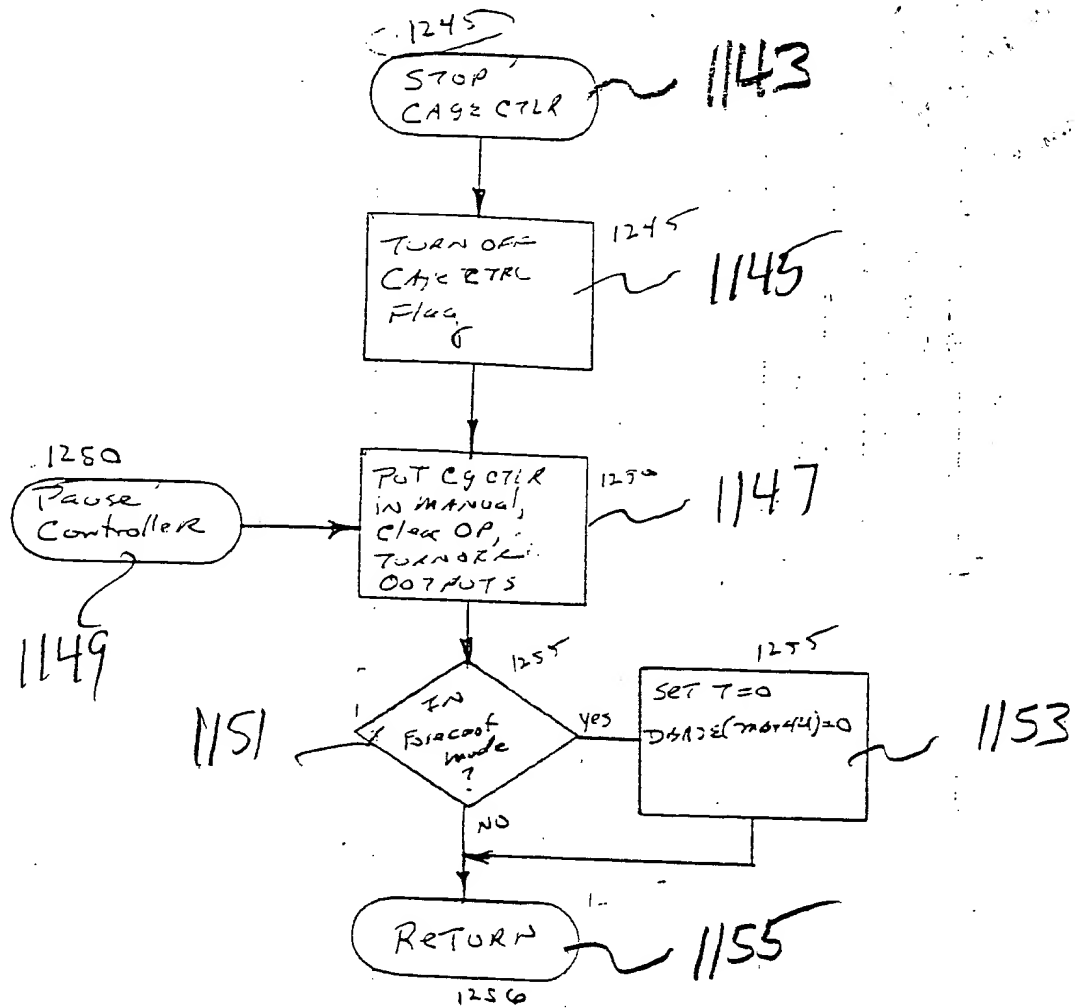


FIGURE 44 I

109180-48062860

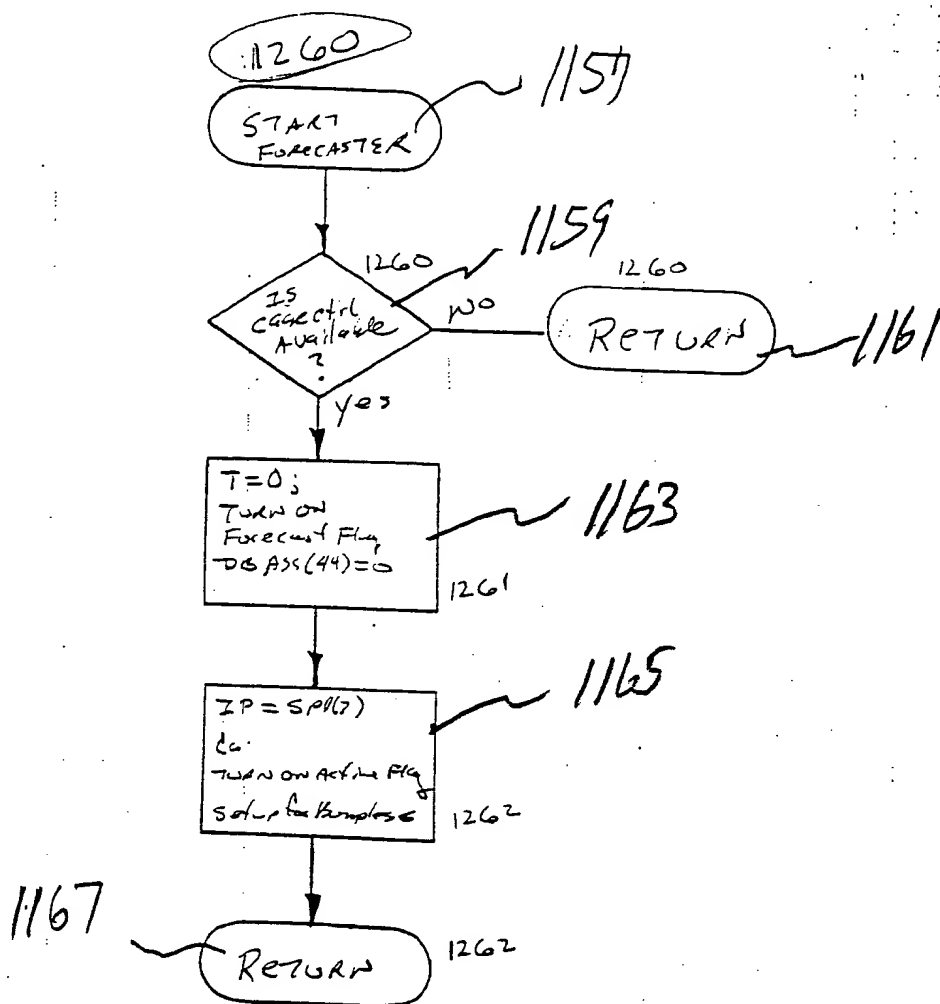


FIGURE 44J

09829084-081501

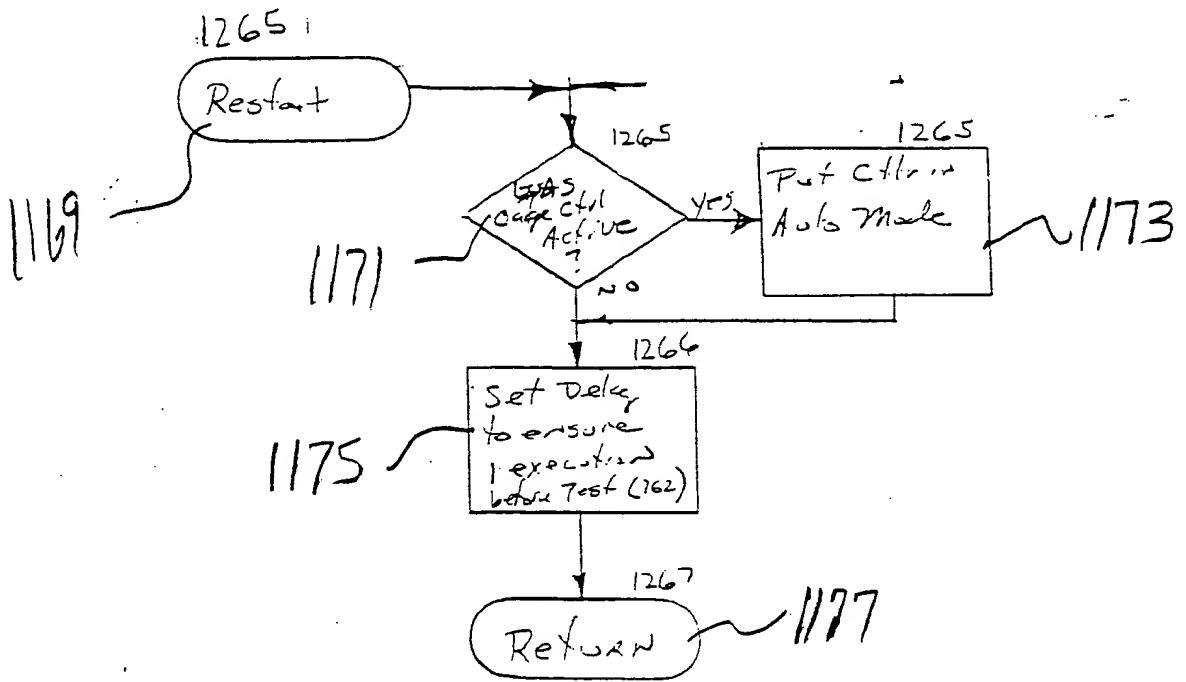


FIGURE 44K

0929084-081601

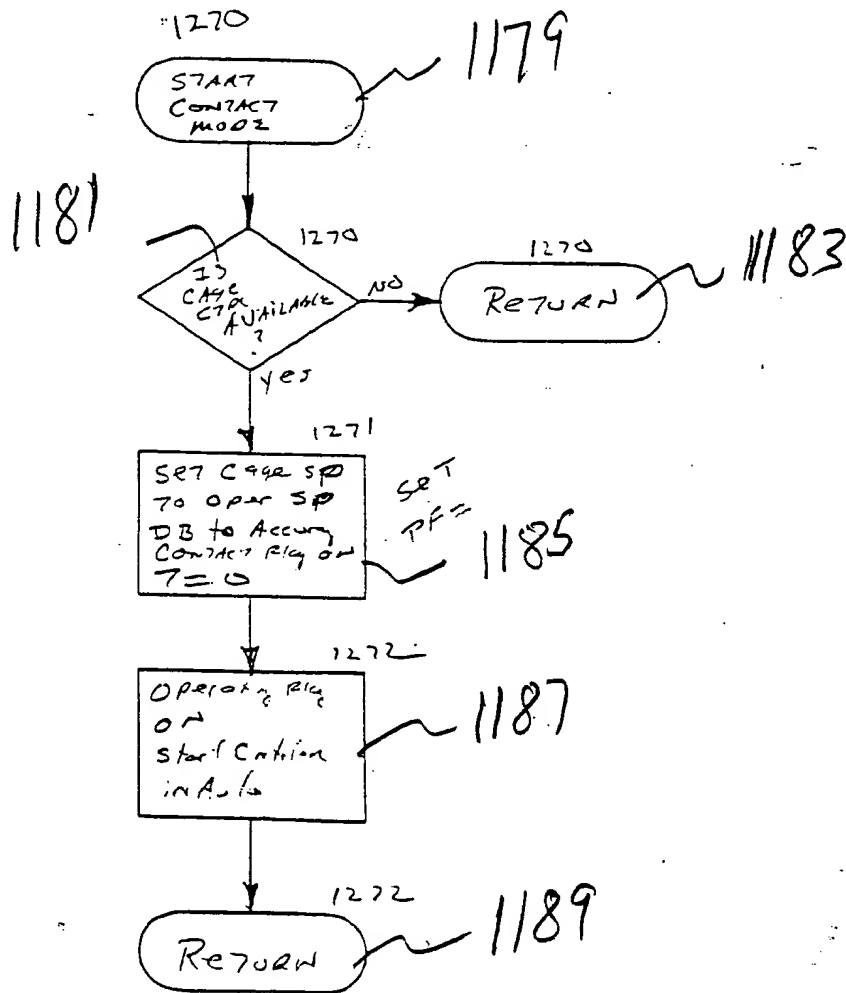


FIGURE 44L

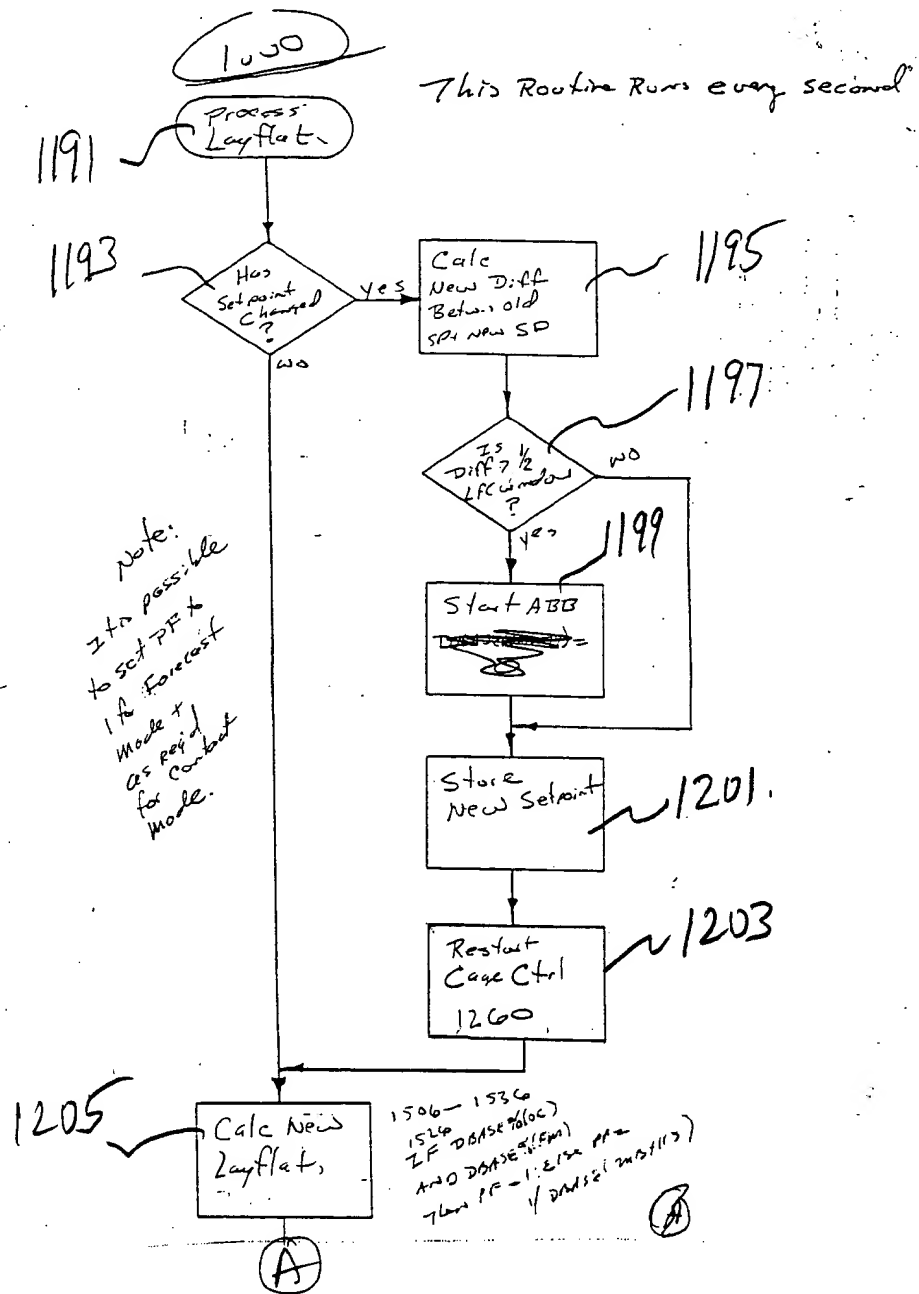


FIGURE 44 M

109180-18062860

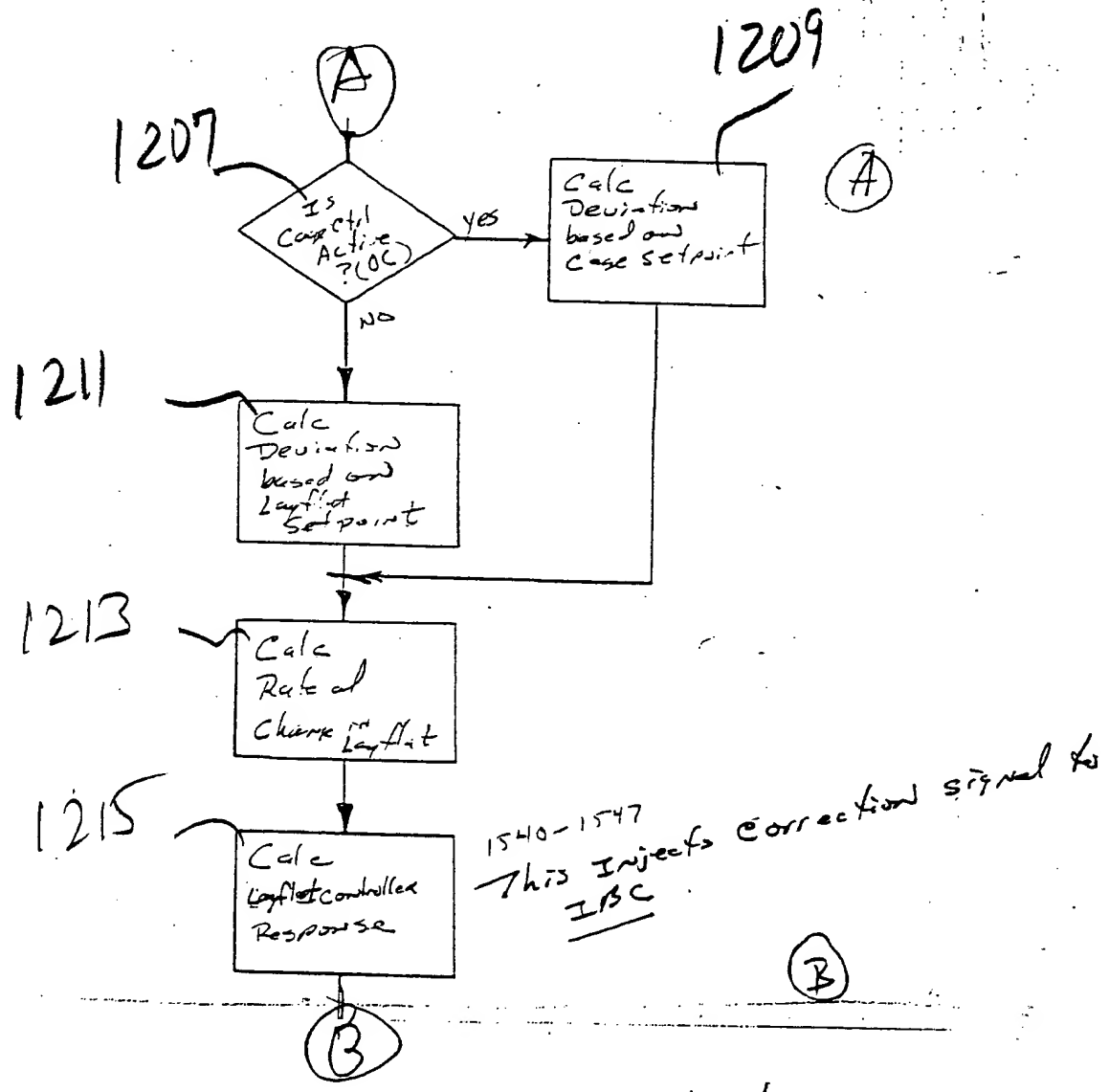
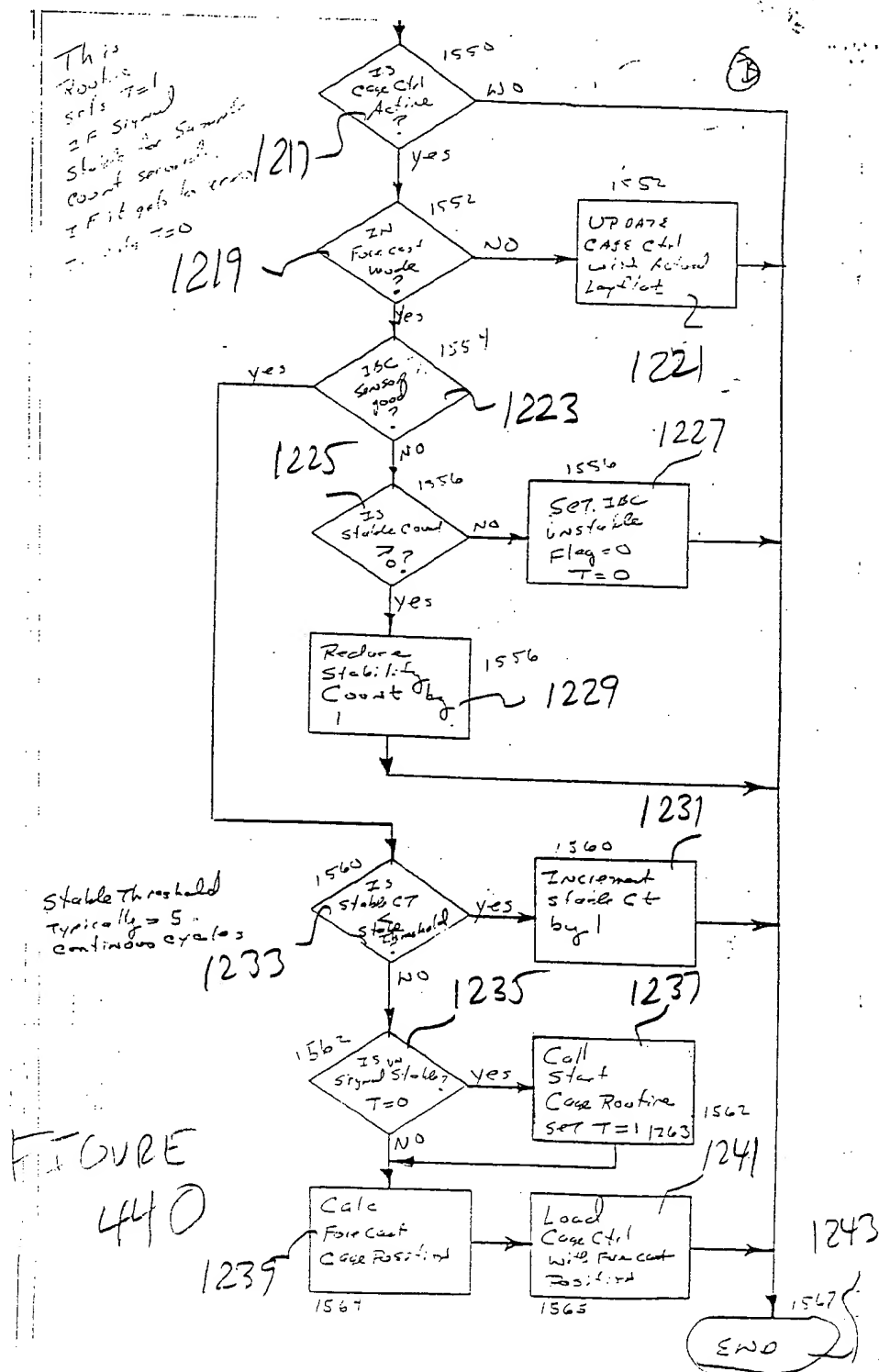


FIGURE 44M

09829084.081601



09829084-081601

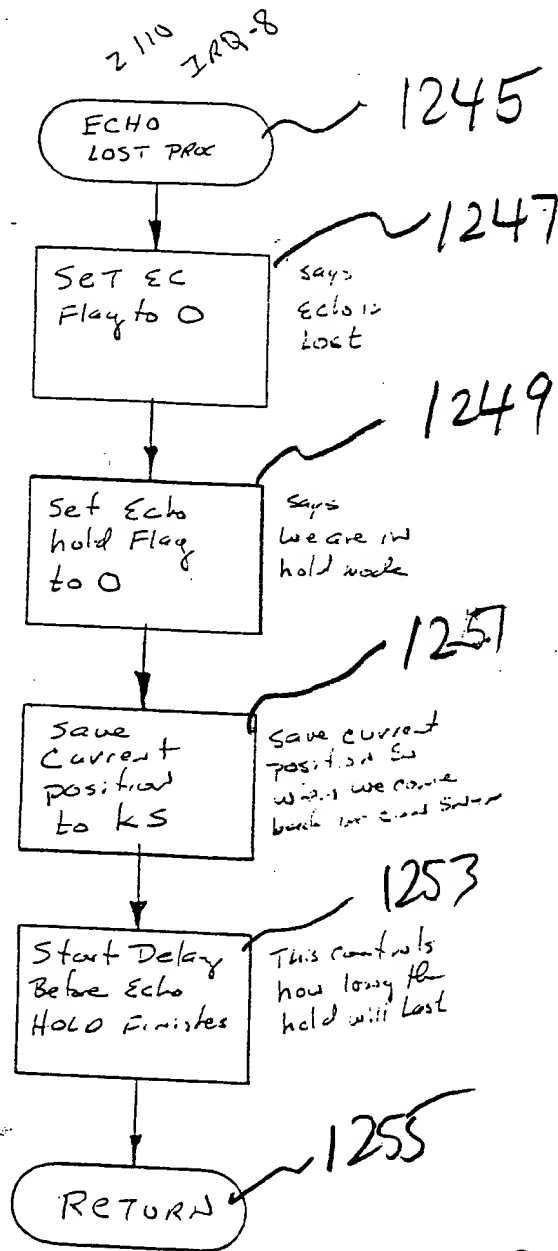


FIGURE 44 P

109829084-081601

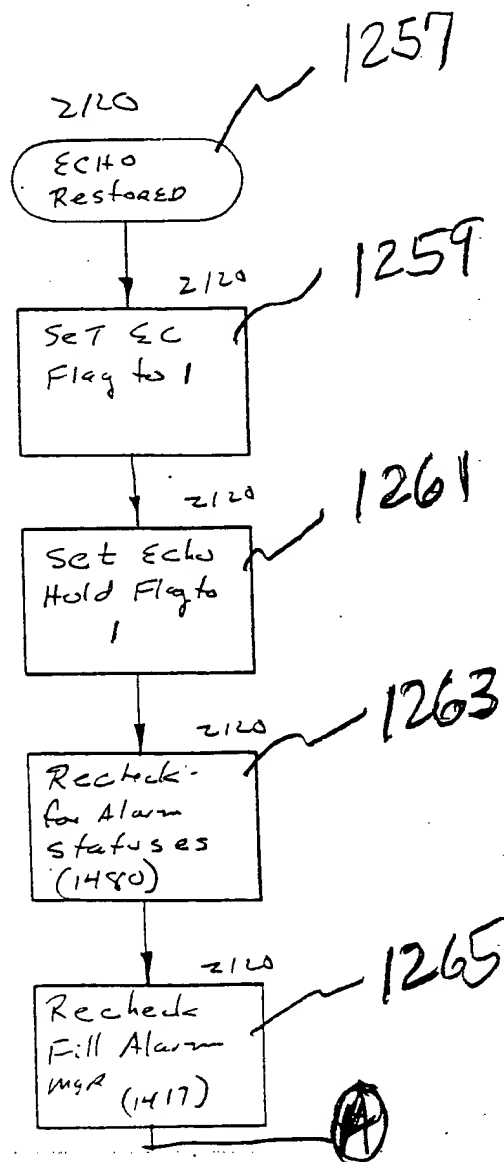


FIGURE 44Q

09829084-081501

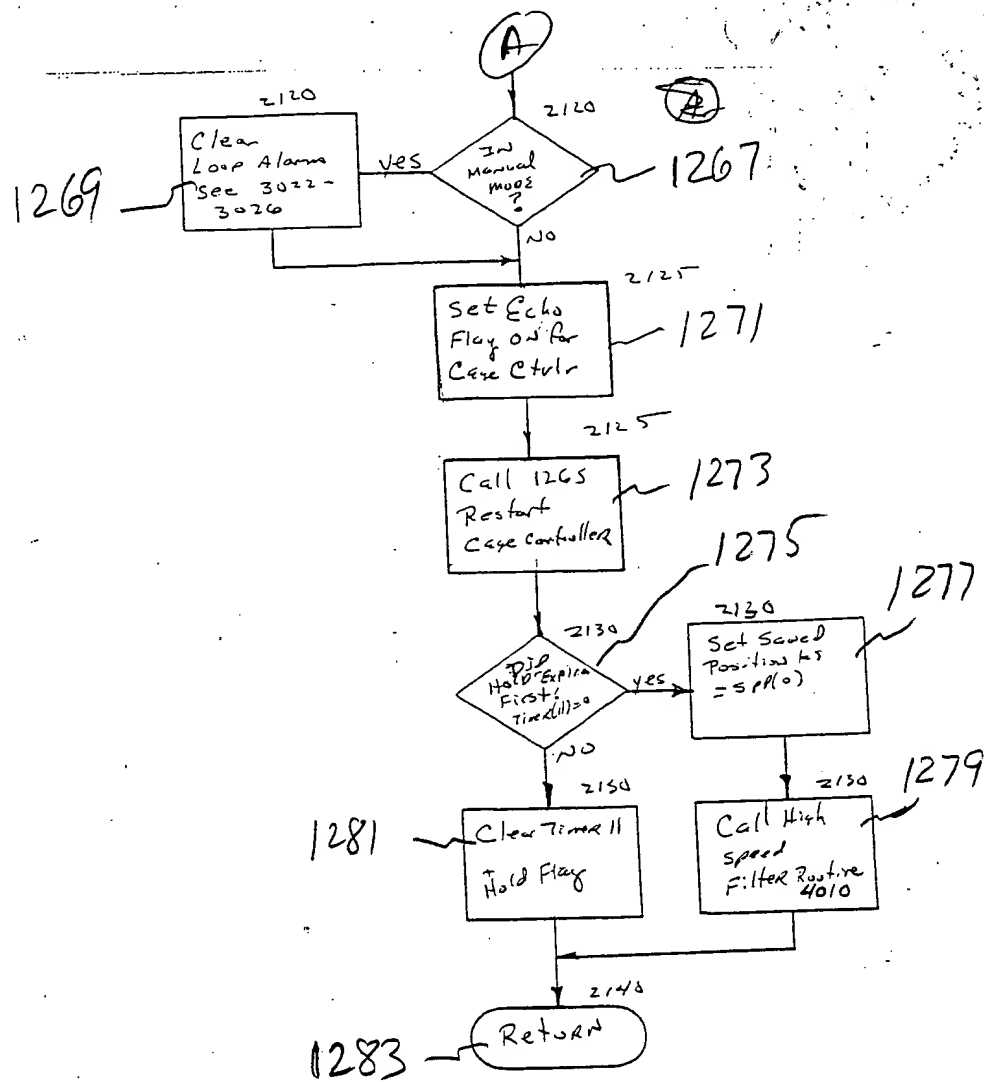


FIGURE 44R

FOI 90-18062860

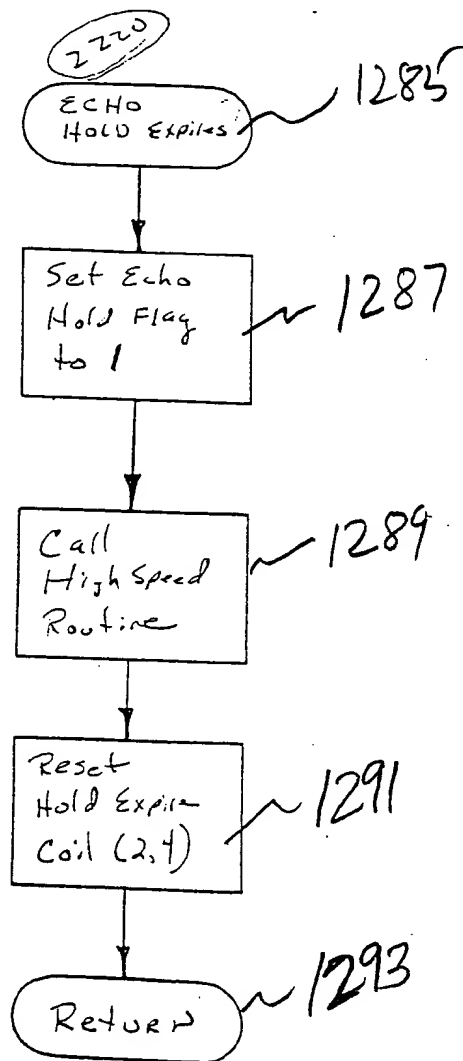


FIGURE 44S

09829084 081501

Called By

2120

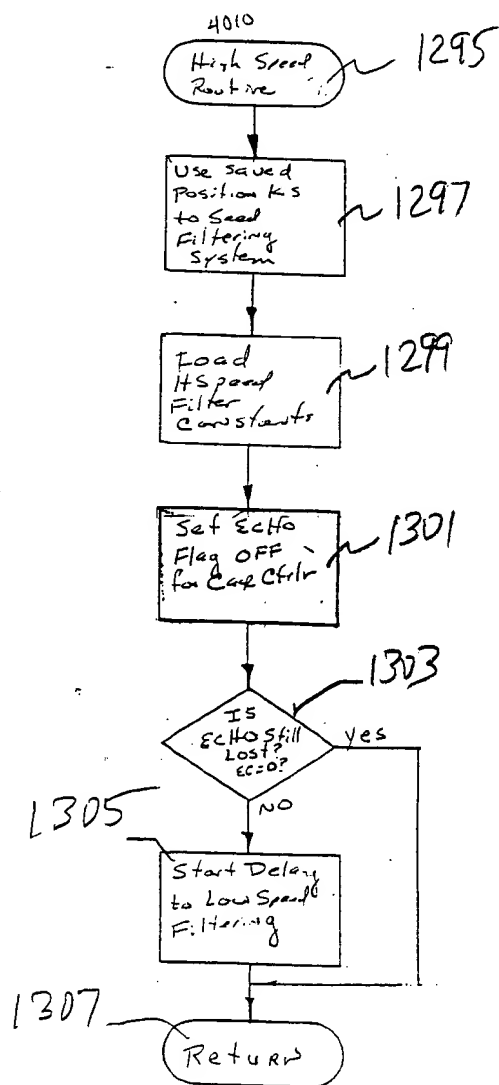


FIGURE 44 T

09829084-081501

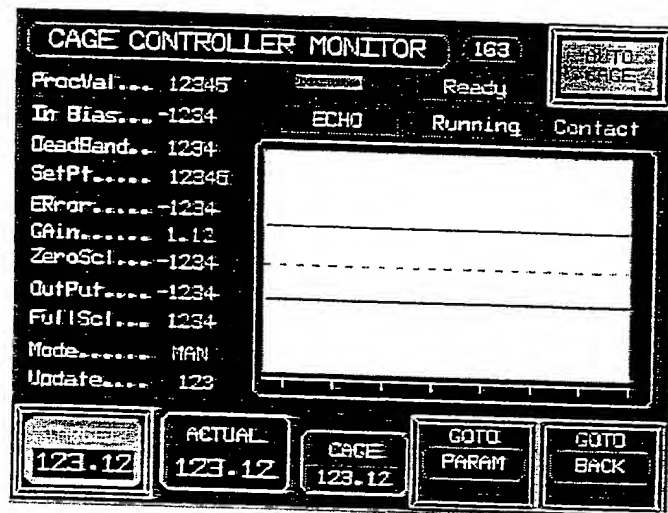


FIGURE 45

09829084-081601

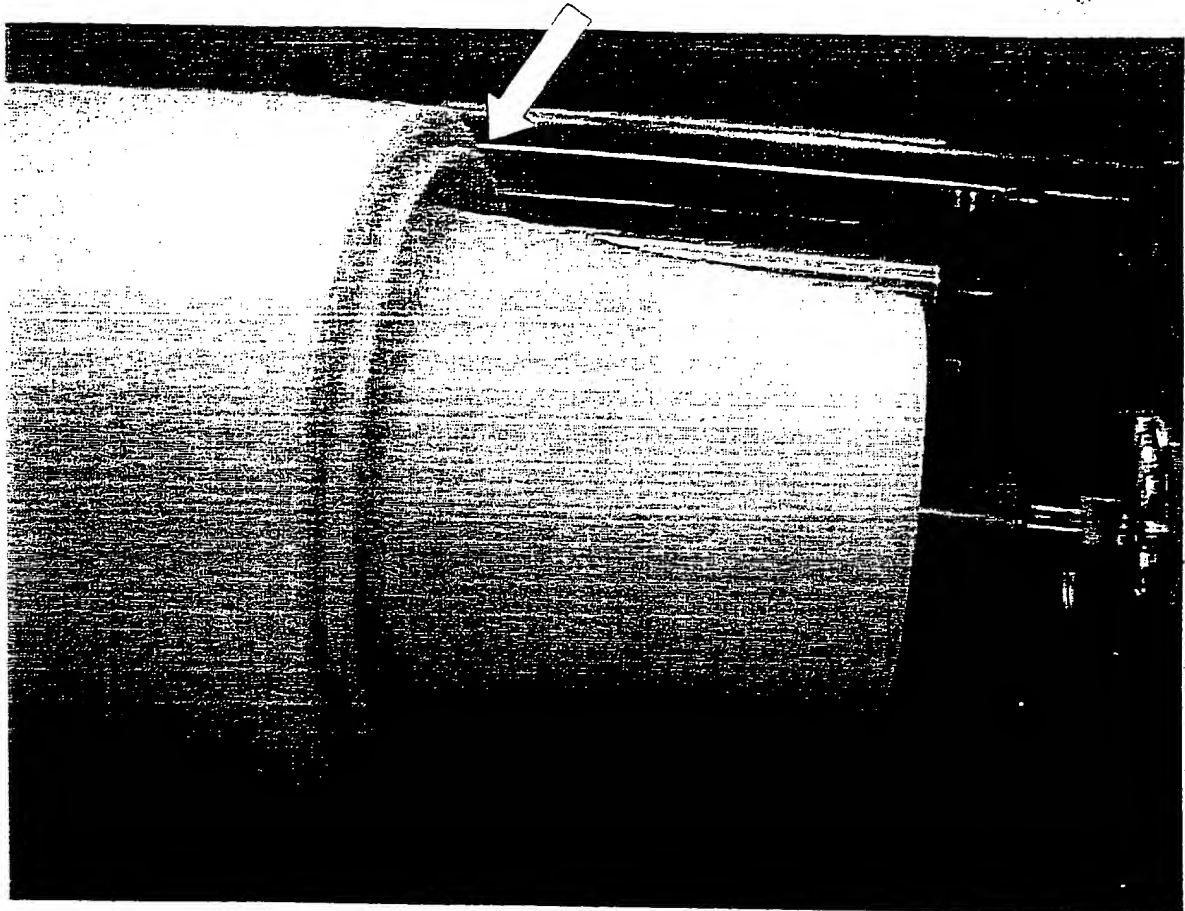


FIGURE 46

0929084-081601

CAGE CONTROLLER PARAMETERS			166	ACCEPT
40 MIN P 1.12	45 OVRLM 1.12	49-CG SIZE 123.12	READY	
41 UPDAT 12.12	46 CONCT 1.12			
42 ERROR 1.12	47 MAX. P 1.12			
<p>CAGE CONTROLLER PARAMETERS: To get help on a parameter, press HELP and enter the number. Press ACCEPT to load new values.</p>			HELP	GOTO BACK

FIGURE 47

109180-48062860

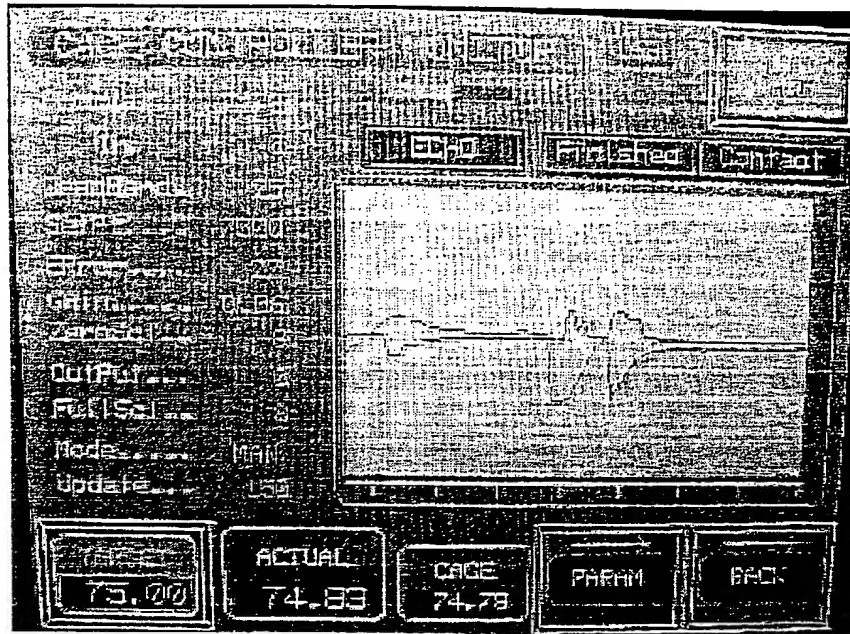


FIGURE 48

09829084.081601

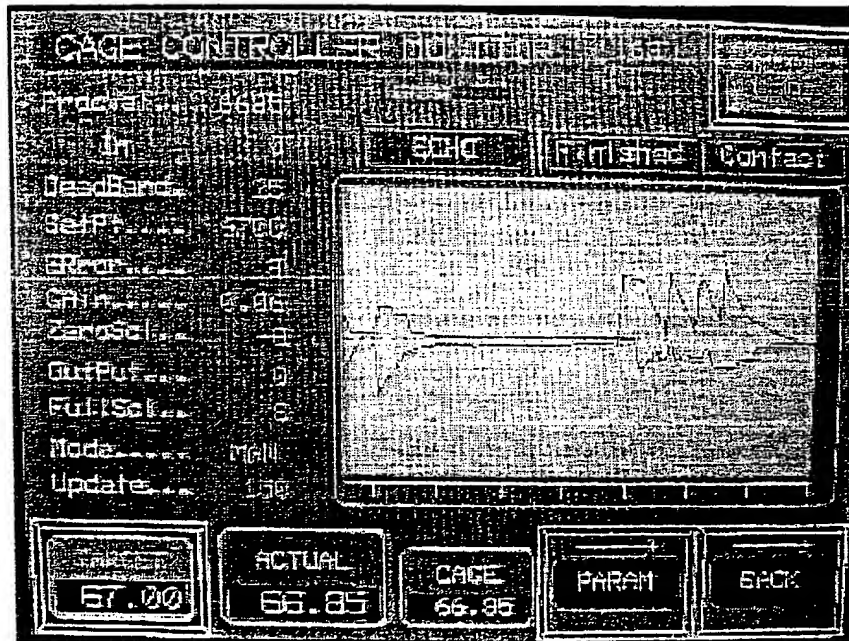


FIGURE 49

09829084-031501

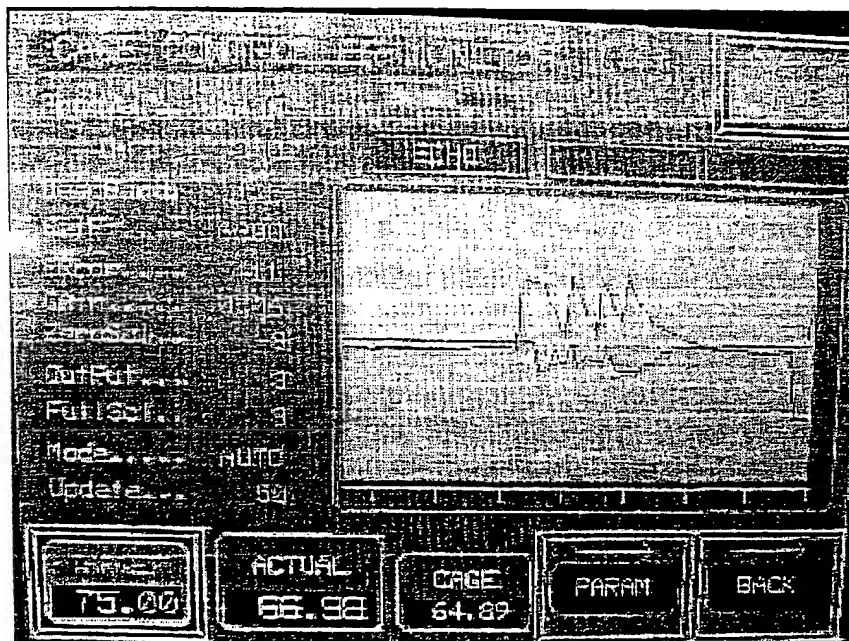


FIGURE 50

109130"48062860

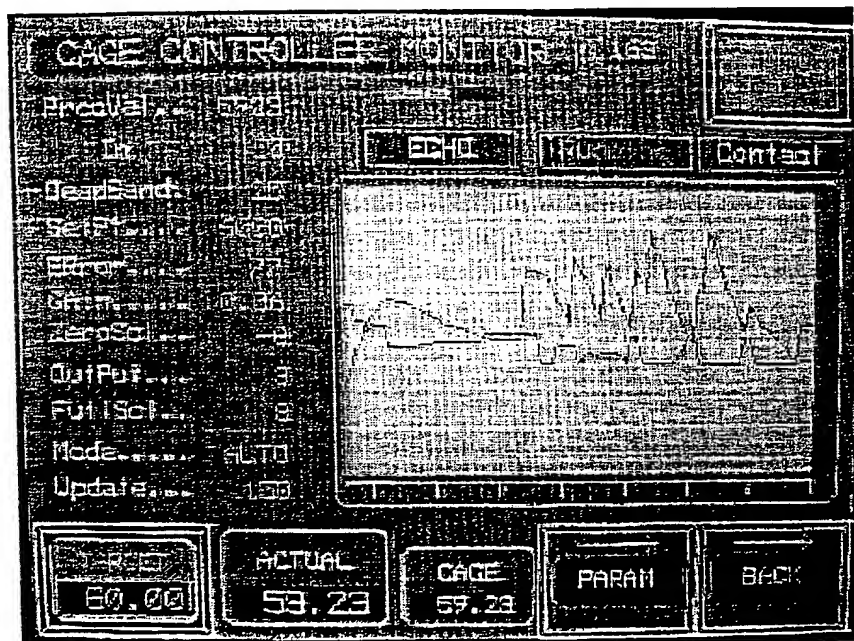


FIGURE 51

099004 099001

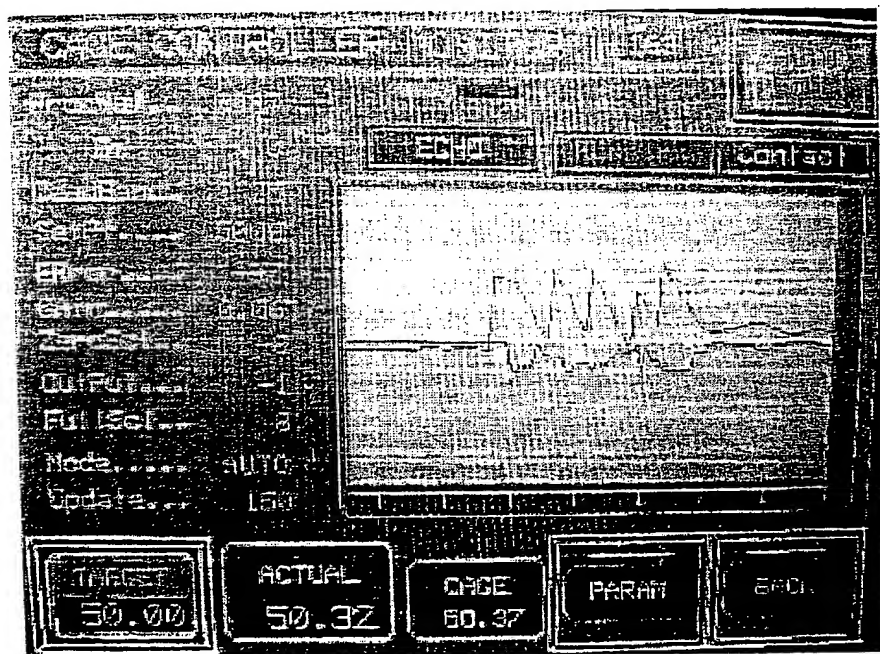


FIGURE 52

709180-48062860

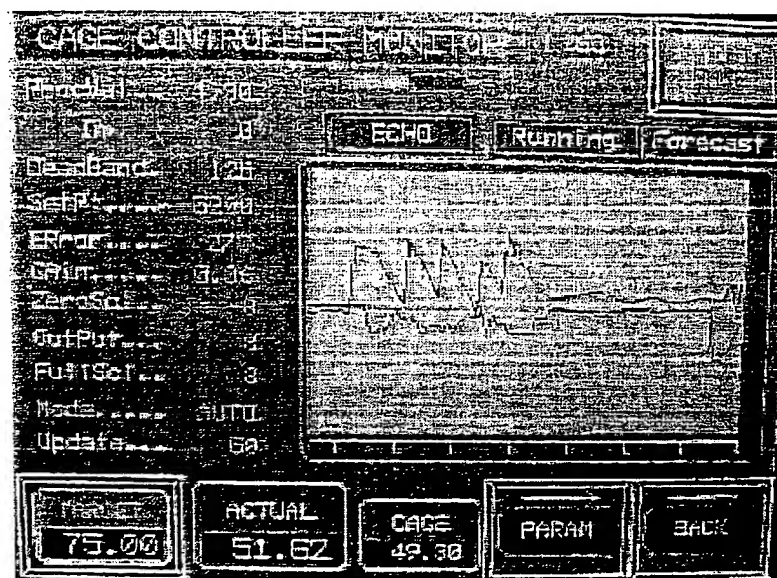


FIGURE 53